No. 2,022. Vol. XC.

OCTOBER 26, 1918.

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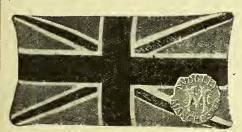
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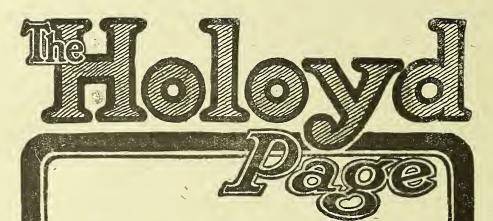
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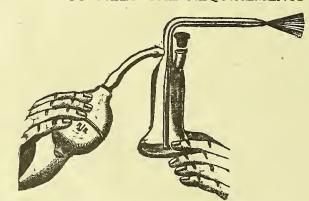
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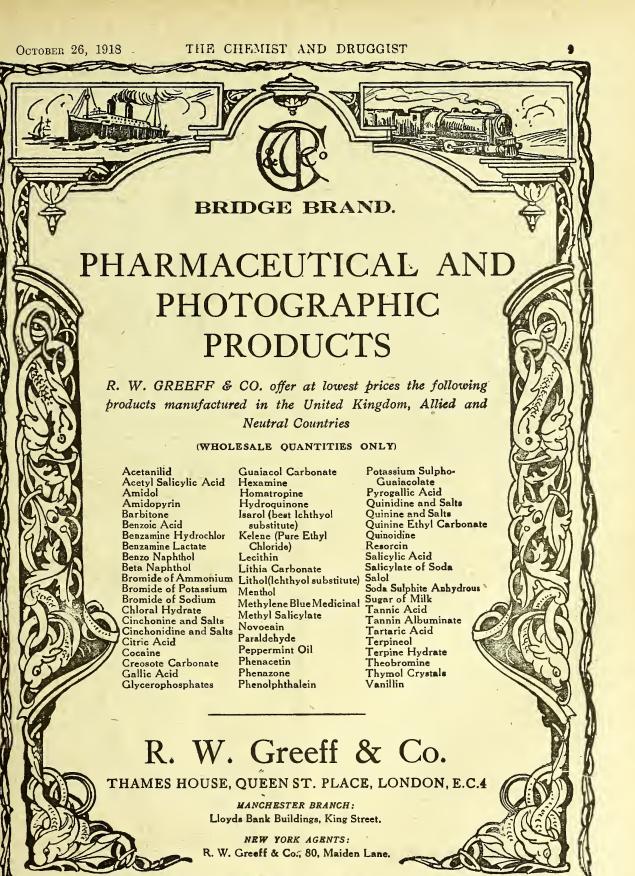


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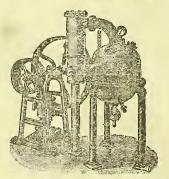
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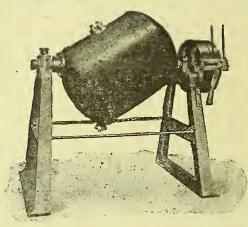
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NUMBER 367

OCT. 26, 1918

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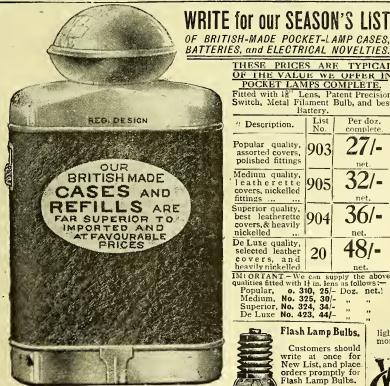
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Pure, Genuine, and Best. Prices now are: 3/3 size 20/- doz. 5/9 ,, 36/- ,,

LORIMER'S

SANATOGEN

NARGENTOL

Contains 24% Silver with Protein obtained from Wheat. The most important and satisfactory of all Silver Salts.

In 1 oz. & 1 oz bottles.

ADEPS LANÆ. B.P. (Lanoline) Anhydrous and Hydrous.

ERNEST JACKSON & CO.

Manufacturing Chemists.

Specialists in (MEDICATED LOZENGES, PASTILLES, JUJUBES, COMPRESSED TABLETS, CAPSULES, PERLES, CACHOUS, BOILED GOODS, SALINES, &c. &c.

IMPORTERS of LIQUORICE JUICE and makers of ORIGINAL cust cushion-shaped LIQUORICE & MENTHOL PELLETS.

WORKS & OFFICES: CREDITON DEVON

ONDON Plantain Place.
EPOT: Crosby Row,
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Telephone: HOP 2668—

PELEPHONE: CREDITON, No. 10. ELEGRAMS : "JACKSON, CREDITON".

Do You Sell Sister Lauras Food?



The question is often asked nowadays. The Chemist who does not stock Sister Lauras Food is missing a good line.

Sister Lauras Food is achieving great success as a preparation for weakly babes and for invalids and the aged. It makes milk digestible and is invalu-

able in cases of malnutrition. It is a thoroughly reliable line and one that brings a handsome return.

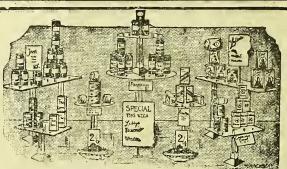
Samples and advertising matter free on application.

SISTER LAURAS INFANT FOOD CO., Ltd., 156 Vincent Street,



100 WOOD STREET, LONDON.

Telephone CITY 8220.



Set No. 142. Suitable for a Window 8 ft. or 9 ft long. Consisting of — 424", 127", 2 15", & 3 12" Oar Peddestals, 1 24"×18", 2 18"×12", 1 16"×10" Oval, & 2 30"×12", 2 18"×12" Oblong Plate-Glass Shelves, and 2 Willow Bowls. 120/- Complete.

1868 to 1418

"The winds of heaven Visit her face too roughly."_Shakespere.

You can see the result

immediately Pure Complexion Wax is applied, the Skin takes on a delicate whiteness which remains for a considerable time.

For all Workers

The Wax is very fragrantly perfumed and as it effectually protects the skin from the effects of Wind and Rain, it always gives satisfaction.

It retails at 1/3 per tin, and costs 7/9 per dozen. WE PRINT YOUR NAME AND ADDRESS ON SIX DOZEN SUPPLY ELEGANT SHOWCARDS ON REQUEST.

AYRTON, SAUNDERS & CO Wholesale Druggists LIVERPOOL

Original The and **Effective Food Preservative**

The only Food Preservative that has ever been publicly awarded Gold and Silver Medals and Certificates of Merit for Purity and Harmlessness.



Pull directions for use enclosed in every package. Packed in 6d. and 2/- Packets and 2/3 Canisters. FAVOURABLE TRADE TERMS UPON APPLICATION

Sole Proprietors and Manufacturers:

BURTON, BAKER & CO. 16 EASTCHEAP, E.C. 3.

Trade Mark.

Established 134 Years.

R. J. Fullwood & Bland

The OLDEST and LARGEST Firm of

and BUTTER COLOUR Manufacturers in GREAT BRITAIN

have never had any interest whatever in R. J. F. & B.'s firm, which has been carried on by British partners and with British capital since it was established in 1785.

Others who claim to be the only makers of Rennet in England CANNOT SAY THIS.

R. J. F. & B. have secured large quantities of Calves' Stomachs, and are now open to book orders for any quantity of Rennet.

Sole Addresses:

31, 33 & 35 Bevenden St., Hoxton, London, N. 1 and Rennet Works, Ellesmere, Salop.

MOOVI CORN PENCILS

are extensively advertised: if displayed in window or on counter with our attractive and striking showcard you will soon find a steady and progressive sale.

SPECIAL BONUS.

COST: 3 dozen at 11/6 £1 14s. 6d. 1-dozen FREE.

SELLING PRICE:

31 dozen at 15/- -£2 12s. 6d.

Price 1/3, on P.A.T.A. List.

All goods are carriage paid. The time to order is new, while you have the matter before you.

TALBOT WILSON. 20 HIGHGATE ROAD, LONDON, N.W. 5.

More Customers

The Beverage



Health

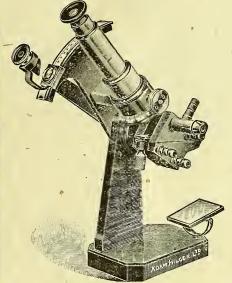
Will call at your store if they know you stock Vi-Cocoa because this food beverage of the people is in great demand as a tonic restorative in cases of mental and physical overstrain.

Display Vi-Cocoa in your window-it will attract many who would otherwise pass you by. Write for trade terms to-day—they are particularly favourable.



YOU MUST ADOPT SCIENTIFIC METHODS

or take the consequences in the competition that is coming.



THE ABBE REFRACTOMETER

is a valuable aid towards maintaining uniform strength in pharmaceutical products (solutions, syrups, etc.), and much quicker than taking the dried weights or specific gravities.

Yet, compared with the average cost of a piece of machinery, the price of the Abbe Refractometer is insignificant. The instrument is extremely simple to use.

Delivery in four weeks from receipt of order.

New Descriptive Booklet post free from the Makers:

ADAM HILGER, LTD.,

75a CAMDEN ROAD, LONDON, N.W. 1.

Telephone: NORTH 1677-8.

Telegrams: "SPHERICITY, PHONE, LONDON."

Kay's Compound Essence of Linseed, "LINSEED COMPOUND"

(Regd. Trade Mark).

For COUGHS and COLDS.

On the P.A.T.A. List.

"KAY'S TIC PILLS."
"MOUNTAIN FLAX PILLS"

Linum Catharticum (Regd. Trade Mark).

"COAGULINE" & "TENASITINE" CEMENTS.

"ORBITE"

Banding Material for Fruit Trees.

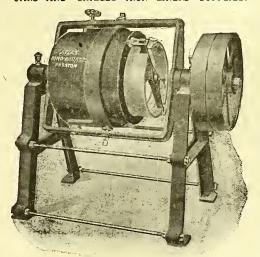
BIRDLIMES, RATLIMES, and FLYGUMS.

Sole Makers :-

KAY BROTHERS LTD., STOCKPORT.

BALL GRINDING MILLS

IRON CYLINDERS, PORCELAIN OR QUARTZ-LINED. PEBBLE & TUBE MILLS FOR LARGE QUANTITIES. FLINT PEBBLES, PORCELAIN, BRASS, STEEL OR HARDWOOD BALLS. ALSO SPARE PORCELAIN JARS AND CHILLED IRON LINERS SUPPLIED.



See our previous advertisements.

BRITISH MADE THROUGHOUT.

MANUFACTURERS OF MODERN HIGH-CLASS CHEMICAL AND EXPLOSIVES MACHINERY.

HIND & LUND, LTD. ATLAS, PRESTON.

Telegrams: "Atlas Preston." Telephone: No. 125.

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GIBBS TO THE FRONT

In spite of the enormous demand for our advertised specialities:

COLD CREAM TOILET SOAP AND SHAVING SOAP

we are pleased to inform our numerous patrons that we are now in a position to execute orders for the same with very little delay.

D. & W. GIBBS, Ltd., City Soap Works, London, E. 1
ESTABLISHED 1712.

ROYAL WARRANT HOLDERS.

SAM! LAMBERT & CO.,

14 MINCING LANE, LONDON, E.C.

Importers and Exporters.

First hands for all

Estd. 1870.

CRUDE DRUGS &

A few Specialities:-

ESSENTIAL OILS.

ARABIC GUMS, CASCARA SAGRADA, ERGOT, CITRIC ACID, COD LIVER OIL, CREAM OF TARTAR, GLYCERIN, HONEYS, MESSINA ESSENCES, OLIVE OIL, PEPPERMINT OIL, QUININE, QUICK-SILVER, RHUBARB, SARSAPARILLA, SHELLAC, TURPENTINE.

Sole Agents for ;

Oils: Lemon, Bergamot, Orange; Terpeneless Oils: Lemon, Bergamot, Orange.—Fraielli de Pasquale & Co., Messina. Bay Rum and Bay Oil.—Borin, St. Thomas.

Essential Oils, Drugs, Chemicals, &c.—National Aniline & Chemical Co., New York.

ALLEN'S'

CLOVE OIL

for Vanillin Manufacturers, Perfumers & Soap Makers.

ALLEN'S"

SANDALWOOD OIL

(From SANTALUM ALBUM).

For 80 years

we have distilled this oil for Medicinal and Perfumery purposes from δαntalum album. Purchasers therefore relying on our experience, dating back to 1833, can always secure from us the genuine article.

STAFFORD ALLEN & SONS

LIMITED,

COWPER STREET, FINSBURY,

LONDON,

E.C. 2

Telephone: London, Wall 6556 (3 lines). Telegrams: "Persic, Finsquare, London."

ESTABLISHED 1833.

KO'TAL'KO

IS ASKED FOR EVERY DAY BY YOUR CUSTOMERS

Stock "KO-TAL-KO" because

You cannot offer or sell a more effective hair restorer and maintainer—one more natural in its principles and certain in its effects.

Your regular customers will want it from you, and if they do not obtain it at your store will be tempted to go elsewhere.

You will never have your stock of "KO-TAL-KO" tying up your capital uselessly—on the other hand, your repeat orders quickly follow.

My trade terms will suit you, for they allow you to make your proper and deser ved profit, and you are working on sound business all the time.

NOTE TRADE TERMS (P.A.T.A.)—

5/- Size 48/- per dozen 12/6 ,, 112/6 ,,

J. HART BRITTAIN, Ltd.

2 PERCY ST., LONDON, W.1

CO-TAL-KO





Trial Orders, minimum value 12/6, Cash with Order, Carriage Paid, U.K.

F. SCHUTZE & CO., LTD. BLACK BULL WORKS - LONDON, N.





Look for the Name and Trade Mark.

WARNING.

The package is being imitated, but the contents and the trade mark are inimitable and the name of Johnson & Johnson is the Hall-mark for Quality.

Antiseptic Baby Powder

Johnson & Johnson.

← Minimum Retail Selling Price P,A.T.A. 10½d. per package.

Cost 7/- per dozen net.

We are now in a position to supply THE ORIGINAL Antiseptic Baby Powder from our London warehouse.

EMPTY CONTAINERS. How to help in a War Economy.

AS it is very difficult to obtain an adequate supply of the containers for the Antiseptic Baby Powder, we consider it a National Duty at this time to endeavour to conserve these and save material and labour wherever possible. With this object in view we are prepared to make a substantial allowance for all empty containers returned to us in good condition, not scratched. For full particulars as to this allowance look for the notice which is sent out with the orders for this Antiseptic Baby Powder.

JOHN TIMPSON & CO., Ltd., 104 & 106 Golden Lane, London, E.C.1

Phone: City 6910-6911.

Telegrams: "Porous London."

"LESCOL" FLORAL PERFUMES NOTICE

N account of shortage of spirit and raw materials, Christmas Perfumes will be very scarce this year; but as we are holding a very fair stock at remunerative prices to our customers, we strongly advise them to send us their requirements at an early date, in order to avoid disappointment. On receipt of postcard, if possible, one of our representatives will call with samples when next in your vicinity, or we will forward you a complete price list.

We also hold good stocks of ESSENTIAL OILS at lowest market prices, & FLORAL OTTOS, FRUIT ESSENCES, CHEMICALS, &c.

LESCOL PERFUMERY CO.

Lomond Grove, Camberwell Green, LONDON, S.E. 5.

Telephone: 810 HOP. (Proprietors: The London Besence Co.) Telegrams: "VANILLIN, CAMBER, LONDON,"





PETROLEUM JELLIES

White, Yellow, Amber and Red.

For Pharmaceutical and General Purposes.

AMERICAN SPIRITS OF TURPENTINE, OLIVE, CASTOR, COLZA OILS, ROSIN, and LUX BLOOMLESS MINERAL OILS.

James Arnott & Sons, Ltd.

Newcastle-on-Tyne and Cardiff.



TOOGOOD'S TOILET CREAMS



Creme Altesia

A non-greasy Face Cream. Packed in 1-oz. Screw-capped Jars, each in Carton. 7/- per doz.



Altesia Skin Food

A greasy Skin Cream. Packed in 1½-oz. Flat Screw-capped Jars. 7/- per doz.

Manufactured only by

William Toogood, Ltd., 77 Southwark Street, London, S.E.1.

INCREASING POPULARITY OF "HARLENE HAIR DRILL."

EVERY DAY EMPHASISES THE NECESSITY FOR MEETING THE PUBLIC DEMAND.

The widespread publicity initiated by the Proprietors of "Harlene" over a number of years and vigorously maintained right up to the present time, in spite of many difficulties and increasing expense, continues to draw an immense response from all parts of the country. Thousands of sample parcels are dispatched daily, thus increasing the number of possible customers to retail stores everywhere.

HAVE YOU A GOOD STOCK OF "HARLENE HAIR DRILL" PREPARATIONS?

NOTE.

The Contents of the Free HARLENE OUTFITS comprise:

- 1. A Trial Bottle of Harlene.
- 2. A "Cremex"
 Shampoo Powder.
- 3. Trial Bottle of "Uzon"
 Brilliantine
- 4. Book of Instructions..



FOLLOW THE TIDE OF SUCCESS.

Watch the great
Free Gift
Advertising
Campaign
that brings the
Customers to
your shop.

No Chemist or Store can afford to be without this unique line of Toilet Preparations.

- "HARLENE" FOR THE HAIR
- "UZON" BRILLIANTINE
- "ASTINE" VANISHING CREAM
- "ASTOL" FOR GREY HAIR
- "CREMEX" SHAMPOO POWDERS
- "ASTINE" SHAVING STICK

"ASTINOL" AROMATIC FLUID.

For Particulars, Advertising Literature, &c., write to

EDWARDS' HARLENE, Ltd.

20, 22, 24 and 26 LAMB'S CONDUIT STREET, LONDON, W.C. 1.

LOFTHOUSE & SALTMER, Ltd.

Wholesale & Export Drug Merchants, - Manufacturing Chemists -

HULL.

NVITE the Trade to take up the following valuable P.A.T.A: Protected Lines, bearing a very large Protected Retail Profit, which sell freely and are well known and valued by the Public in many parts of the country.

P.A.T.A. Protected Dozen Net.

LOSALL'S SALT (well advertised), tins 9d. 6/6

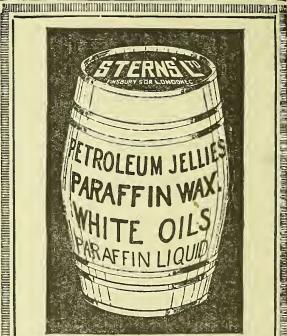
bottles in 2/-16/-

*Losall's Salt sells so well, surely it must pay Pharmacists to stock such a blg profit-bearing protected line.

LOSALL'S COMPOUND SULPHUR SOAP.

Box. Doz. A valuable emollient medicated skin soap, especially suitable for use in Eczema.

3 Tablets in a box @ 8d. 18/-



A.D.5., Royal London House, Finsbury Sq., E.C. 2.

Telephone: 3797 LONDON WALL. (Four Lines.) Telegrams:
"Centumvir, Phone, London."
(Two Words only.)

BRITISH ODOL



Send for Price List and Trading Terms.

Revised Retail Prices. Crand Double Flask 5/3 Full-size Bottle 3/-Half-size Bottle 1/9

ODOL Chemical Works, BERKHAMSTED.

OVER 100 % PROFIT ENSURED & PROTECTED (P.A.T.A.)

for sellers of

Laurence's Hair Dyes

One solution, nine shades.

A first-class article with an excellent demand, created entirely on its own merits, and carrying a first-class profit.

Size.	Minimum retail.	Minimum wholesale.
1/-	1/	7/6 per doz.
1/6 2/6	1/6 2/3	9/- less 5 % discount
5/6	3/3	21/-

SPECIAL BONUS.

Buyers of 3 doz. bottles receive 3 bottles gratis (may be assorted and any size).

6 doz. do. 8 bottles gratis. 18 bottles gratis. 12 doz. do. Equivalent in the case of the size in most general demand, viz. 1/8 size to 4/6, 12/- and 27/- respectively.

Sole Proprietors-

C. R. HARKER, STAGG & MORGAN, DEVON WHARF.

Emmott Street, Mile End, London, E. 1.

LANOLINE

FINEST B.P.

Light Carbonate of Magnesia
Heavy Carbonate of Magnesia
Light Calcined Magnesia
Heavy Calcined Magnesia
Potassium Sulphoguaiacolate

Paraffin Wax
Camphor Oil, White
Camphor ½-oz. Squares
Precipitated Chalk
Isinglass, Kobé No. 1.

BLOCK LIQUORICE SICILIAN EUCALYPTUS OIL 70/75 % B.P.

POWDERED SOAP

MALLAGH & CO. (T. H. Mallagh, F.C.S.)

Pharmaceutical and Technical Chemicals,

19 St. Dunstan's Hill, and, 9 Harp Lane, E.C. 3.

Factory:

189 Great Dover Street, Southwark, S.E. 1.

Telephone: Avenue 896.

Telegraphic Address: "Chemorol, Phone, London."

METHYLATED SPIRIT

OILS AND CHEMICALS.

Buy from one of the Oldest Houses in the Trade.

Write for Prices. ESTABLISHED 1794.

SAMUEL THORNLEY, LTD., BIRMINGHAM

The BRADFORD WOOL EXTRACTING Co. Ltd. are actual manufacturers of

PHENACETIN



SALICYLIC ACID

Telephone No. 2638

PIT LANE MILLS, BRADFORD.

Teleg. "Production."

THE

BRITISH WAX REFINING

COMPANY, LIMITED.

WHITE BEESWAX YELLOW BEESWAX

Slabs, Bars, Tablets or Discs

GERESINE WAX
Bleached Carnauba Wax
Carnauba Wax Residues

All Waxes Refined, Bleached and Manufactured at our Works, REDHILL, SURREY.

Registered Office:

5 RANGOON ST., LONDON, E.C.3

TIDMAN'S SEA SALT

GOOD PROFITS. PROTECTED BY P.A.T.A.

Two Gross "PENNY" Packets sold for 30/- show over 50% Profit on purchase price 21/-, less $2\frac{1}{2}$ % delivered.

PRICE LIST.

		- II			31	•	
				Ad	vertised	Minimum	
					Price	Retail.	Wholesale
					Per dos.	Per doz.	Per gross.
" DEI	unv,	' PACK	FTS (12 in\ '	1/A	1/3	10/6
					1/0	.,0	10/0
Twope	nny P	ackets (12 in box	x)	2/-	2/-	19/-
		,		•	Each.	Each.	Per dos.
Boxes.	about	1½ lb.			4d.	4d.	3/4
		ດາ້	•••		8d.	8d.	6/8
,,	,,	35,,		•••			
,,	,,	7 ,,		* •••	1/2	1/2	11/6
,,	-)	14 ,,	•••	•••	2/-	2/-	20/-
	Fou	r 7-lb. Be	TYPE CAT	RIAGI	E PATI	n for 4/-	
1 2	51X 7-10	. Boxes (JARRIAG	E PAL	Dat 1.	1/6 per a	oz.

Assorted Orders to value of 10/-, CARRIAGE PAID, any of above sizes.

Each. Each. Each. 1.

"S (Bags of 28 lb. ... 3/6 3/6 3/-

					Each.	Each.	Each, l	,
lg.	Bags	of 28 lb.	•••		3/6	3/6	3/-	
Po 26	,,	δ6 ~	•••	•••	6/6	6/6	5/6	
2 th	"	of 28 lb. 56 ,, 1 cwt.			12/-	12/-	10/-	
_			Carriage	e Paid				

2½% Discount for Cash on all orders of 20/- and upwards.

Packing Cases extra and returnable. Half value allowed if not returned.

TIDMAN & SON, Ltd., London, E. (Members of P.A.T.A.)

STOVAINE =

THE LEAST TOXIC OF LOCAL ANÆSTHETICS
USED IN THE SAME WAY AND AS EFFICACIOUS AS COCAINE

Does not create a habit and does not give rise to headaches, nausea, vertigo or syncope. :: :: Literature on demand.

NO HOME OFFICE LICENSE REQUIRED

Cheaper than Novocain and Benzocain and obtainable promptly in practically unlimited quantities from the manufacturers:

LES ETABLISSEMENTS POULENC FRÈRES

92, RUE VIEILLE DU TEMPLE, PARIS.



HATMAN Bigh FILTER PAPERS

WHATMAN FILTER PAPERS

can be supplied in a number of qualities (all white). Both circles (maximum diameter 50 cm.) and sheets $(18\frac{1}{4}'')$ by $22\frac{1}{2}''$). Free samples and prices on application.

Sole Sales Agents:

H. REEVE ANGEL & CO.

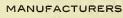
9 Bridewell Place, LONDON, E.C. 4













28

Collapsible Metallic Tubes

For Artists' Colours, Tooth Pastes, Lanoline, &c.

SPRINKLERS

FOR Perfume Bottles and Hair Washes.

METAL CAPS

Glass Jars and Toilet Preparations.



24 CITY ROAD, FINSBURY SQUARE, LONDON, E.C. 1

SOLID FACE POWDER

A. BOURJOIS ET CIE, PARIS.

We have just received from Paris a large consignment of

No. 65 POUDRE COMPACTE WITH PUFF.

This compact Powder is acknowledged to be of the finest quality both in perfume and equality of texture.

IN SEVEN TINTS:

ROSE

RACHEL

OCREE

NATURELLE

MAUVE

BLANCHE

ROSETTE BRUN



PRICE

8/6

PER DOZEN NET.

HENRY C. QUELCH & CO.

4 & 5 LUDGATE SQUARE, LONDON, E.C. 4.

ì

SAVE 3/- PER GALLON

BY BUYING

GUARANTEED GENUINE

NEWFOUNDLAND NON-FREEZING MEDICINAL COD LIVER OIL

OF NEW SEASON'S MAKE.

Highest possible quality in smell, taste and colour, comparing most favourably with the finest Norwegian. Manufactured from the finest fresh Cod Liver on same day as fish caught.

WHOLESALE ONLY.

Kindly write for sample to

JOB BROS., Manufacturers, Tower Building, LIVERPOOL.

Telegraphic Address: "JOB LIVERPOOL" Tel. 1039 CENTRAL

And of ST. JOHN'S, N.F.

Established 1780.

"Milk of Magnesia

(Registered Trade Mark.)

The CHARLES H. PHILLIPS CHEMICAL CO. regret that owing to Transport Difficulties they are unable for the present to execute any orders for "Milk of Magnesia" and "Phospho-Muriate of Ouinine." They trust the stoppage will only be of short duration.

The CHARLES H. PHILLIPS CHEMICAL CO.,

'Phone Address: GERRARD 275. 14 Henrietta St., Covent Garden, LONDON, W.C. 2.

Telegrams "MILKOM G LONDON."

Increased Prices for Daisy

Owing to the greatly increased cost of production, we regret we are compelled to increase the price of Daisy as follows:

RETAIL.

Single Powders			$1\frac{1}{2}$ d. each
Packets of 10 Powders			10½d.
Packets of 20 Powders	•••	•••	1/6

WHOLESALE PRICES.

1/6 size (la	ate $1/1\frac{1}{2}$ d.	size),	containing	20 P	owders-
1 dozen	Boxes		15	5/9 per	dozen
3 dozen	Boxes	• • •	15	5/-	,,
$10\frac{1}{2}$ d. size	(late $7\frac{1}{2}$ d.	size),	containing	10 Pc	wders_
1 dozen	Boxes			9/- per	dozen
3 dozen	Boxes			8/6	

The above prices are subject to 5% discount for cash. All orders sent carriage paid. The new prices allow the same generous proportion of profit as hitherto; each individual sale will, however, bring 50% more actual profit. Daisy is now, therefore, even more profitable than ever.

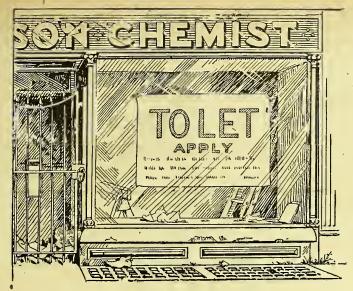
From all Wholesalers, or direct

DAISY LTD.,

Mammoth Works, LEEDS

Telegrams: "DAISY LEEDS."

Telephone: 1990 CENTRAL.



The pity of it!

His customers left him.

He shook their confidence by yielding to the temptation to sell them inferior Cascara products.

Protect your business reputation against inferior Cascara products

A recent investigation throws a searchlight on the danger of such spurious products

SUMMARY OF AN ANALYSIS OF CASCARA TABLETS

- Each TABLET weighed 4.4 grains. (1)
- (2) 1.56 grains, or 35 per cent. of the total weight, were Talc.
- The Cascara Extract present was largely (3)insoluble in hot water and therapeutically useless.

On the contrary

TRADE 'TABLOID' BRAND Cascara Sagrada

presents accurate doses of pure, active, soluble extract

Builds progressive and profitable business.



BURROUGHS WELLCOME & CO., LONDON

SULPHATE OF COPPER

(CRYSTALS & GRANULATED

HIGHEST PURITY 99/100 % Guaranteed.

MOND NICKEL COMPANY,

LIMITED,

39 VICTORIA STREET, LONDON, S.W. 1.

ALSO MAKERS OF

NICKEL, NICKEL SULPHATE, And NICKEL AMMONIUM SULPHATE.

The Lancet describes it as

"Mr. Benger's admirable preparation."

FOOD FOR INFANTS



BENGER'S FOOD LTD., Otter Works, MANCHESTER, Eng-

Branch Offices at: 117 Pitt St., Sydney, Australia; 90 Beekman St., New York, U.S.A. Canadian Agents: The National Drug and Chemical Co., Ltd., Montreal & Branches.

ON THE P.A.T.A.

The British Medical Journal says:

> "Benger's Food has by its excellence established a reputation of its ow."

INVALIDS AND AGED.

"T.M." ANTISEPTIC SHAVING TABLET

is a beautifully smooth crystalline block, well finished, wrapped twice and enclosed in a slide box with a charming label carried out in the well-known "T.M." colour combination, i.e., chocolate, white, blue and black—altogether it's a prepossessing item.

"T.M." Antiseptic Shaving Tablet is the latest member of the successful "T.M." family, and was only included therein after definitely satisfying us that it was the best obtainable from all points of view. Note also the splendid "T.M.", P.A.T.A. profit—no less than 44% on selling price!

PRICE

6/9 PER DOZ We can deliver promptly any reasonable order.
Would you like any?

CHRISTY'S

P. A. T. A.

1/-

EACH.



A Weekly Journal of Pharmacy and of the Chemical and Drug Trades. ESTABLISHED 1859.

The CHEMIST AND DRUGGIST is in circu'ation and reputation the leading Journal addressing the Chemical and Drug trades in the British Empire and other countries in the Old and New Worlds. It is the official organ of the Pharmaceutical Society of Ireland, the Chemists and Druggists' Society of Ireland, and of many Chemists' Societies in Australia, New Zeala nd and South Africa.

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Prix de l'abonnement annuel: le journal une fois par semaine, et l'agenda une fois par an, 15s., franco.

Precio de suscripción anual: el periódico una vez por semana, y el agenda una vez por año 15 ch., franco.

Terms for advertising may be obtained on application to the Publisher Head Office: 42 CANNON STREET, LONDON, E.C. 4.

Telegrams: "Chemicus Cannon, London," Telephone Central 3617 (three lines).

Branch Offices: MELBOURNE AND SYDNEY, AUSTRALIA.

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Coming Events.

This section of the "C. & D." is reserved for advance notices of meetings or other events. These should be received by Woonesday of the week before the meetings, etc., occur.

Sunday, October 27.

United Arts and Kensington Volunteer Rifles, "B" Company (Pharmacists). At 10 s.m., company parade at headquarters (Imperial College Union, South Kensington, S.W.) (October 30 and 31, platoon parades at headquarters, 3 r.m.)

Tuesday, October 29.

Progressive Pharmacy Club, Arundel Hotel, Victoria Embankment, London, W.C., at 8.30 p.m. Miss A. T. Borrowman on "The Advantages of Shorter Business Hours."

Wednesday, October 30.

Industrial Reconstruction Council, Saddlers' Hall, Chcapside, London, E.C. 2, at 4.30. Mr. W. L. Hichens on "The Functions of the Government in Relation to Industry."

Thursday, October 31.

London County Pharmaceutical Association, 17 Bloomsbury Square, London, W.C., at 3 P.M. Annual meeting.

COLLOIDAL SILVER has been produced by Professor K. Suzuki, of the First High School, Tokio, this being the first is now offered for export by the makers, the Sakuragi Goshikaisha, Tokio, with the certificate of the Imperial Japanese Government Laboratory of Tokio. It has the same constitution as the German collargol, but is much cheaper cheaper.

European War News.

Import and Export Notices.

France.—The Board of Trade is in receipt, through the Foreign Office, of copy of a French Presidential Decree, dated - September 12, and published in the "Journal Officiel" for October 4, by which the export and re-export from France of liquorice-juice, hops, and lupuline are prohibited except under licence. In virtue of a Decree of the Minister of Finance, dated October 4 and published on October 5, liquorice-juice, sweetened or not, may be exported and re-exported from France, without special authorisation, when consigned to the United Kingdom, Belgium (uninvaded territory), Italy, or any extra-European country.

UNITED STATES.—All outstanding licences for the importa-

UNITED STATES.—All outstanding licences for the importation of varnish gums were revoked by the War Trade Board on October 2, the revocation applying to kauri, copal, damar, Zanzibar manila, Congo pontianak, Benguella sandarac, and East India or Borneo gum as to ocean shipment after October 10, 1918. No new licences for such commodities will be in the commodities of the c dities will be issued except to cover certain shipments which are named. On October 2 the American War Trade Board revoked all outstanding licences for the importation of dyerevoked all outstanding licences for the importation of dye-woods and vegetable dye extracts as to ocean shipments after October 10. During the remainder of the calendar year special import licences will be granted for the following dyewoods and extracts in the amounts stated: (1) Ship-ments from Mexico or Canada by other than ocean trans-portation. (2) Shipments from Europe or Mediterranean Africa when coming as return cargo from convenient ports where loading can be done without delay. (3) Shipments of the excepted commodities enumerated hereafter: Extracts and compounds of annatto, roucou, rocco orleans, cudbear, orchil, litmus, madder, saflower, saffron, sumach, cochineal, indigo, natural or synthetic. (4) Shipments during the remainder of the calendar year 1918 for the following commodities in the remainder of the calendar year 1918 for the following commodities in the remainder of the calendar year 1918 for the following commodities in the remainder of the calendar year 1918 for the following commodities in the remainder of the calendar years and the following commodities in the remainder of the calendar years and the following commodities in the remainder of the calendar years and the following commodities in the remainder of the calendar years are successful to the calendar years and the calendar years are successful to the calendar years and the calendar years are successful to the calendar years mainder of the calendar year 1918 for the following commodities in the amounts stated: (a) Logwood, 22,500 tons; (b) fustic, 1,250 tons; (c) gambier, 400 tons; (d) cutch (used exclusively for dyeing, not to include mangrove-bark extract), 1,250 tons; (e) nutgalls, 750 tons; (f) mangrove-bark extract from West Indian and South American countries only, not to exceed 375 tons; (g) all other dyewoods in crude state, 500 tons; (h) extracts and decoctions for dyeing or tanning not otherwise provided for from Central and South America, 450 tons.

Control of Rubber.

In view of the necessity for saving ocean freights it is considered desirable to notify the rubber trade that the Minister of Munitions has appointed a Committee, under the chairmanship of Sir Clarendon Hyde, to advise him as to the control of rubber. In the meantime it is deemed necessary to issue a warning that it may become necessary to fix maximum prices for transactions in rubber, and to point out that the Minister may be compelled to make orders rendering inoperative any forward contracts or transactions entered into after the publication of this notice.

Personalia.

GUNNER R. RITCHIE, R.F.A., has been wounded and is in hospital. In civil life he was with Joseph Cresfield & Sons, Ltd., Warrington.

PRIVATE L. GREGORY, Cheshire Regiment, is reported to be a prisoner of war in Germany. In civil life he was

with Boots, Ltd., at Swansca.

RIFLEMAN T. BRADBURY, Monmouthshire Regiment, has been "gassed" on service. In civil life he was with Joseph Crosfield & Sons, Ltd., Warrington.

PRIVATE R. E. CRUICKSHANK, V.C., London Regiment, has been presented by Lever Bros., Ltd., of whose elerical staff he is a member, with 100% in War Bonds.

TEMPORARY-CAPTAIN JAMES WILLIAMSON TOCHER, R.A.M.C., M.B., has been awarded a bar to the Military Cross. Captain Tocher is the son of Dr. J. F. Tocher, Ph.C., Aberdeen.

GUNNER SEPTIMUS ALMOND, Royal Garrison Artillery, has been "gassed" and wounded. Prior to enlistment he was with T. A. Ward & Co., Ltd., manufacturing chemists, Blackburn.

SERGEANT REGINALD BRYAM, South Lancashire Regiment, has been awarded the Croix de Guerre. Sergeant Bryam joined the Forces from the staff of Joseph Crosfield & Sons, Ltd., Warrington.

CORPORAL R. STEPHENS, M.M., South Lancashire Regiment, has been awarded the Distinguished Conduct Medal. In civil life Corporal Stevens was with Joseph Crosfield & Sons, Ltd., Warrington.

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Second-Lieutenant Weatherill is reported to be a prisoner of war. Up to the time of his enlistment Second-Lieutenant Weatherill was with Taylors' Drug Co., Ltd., at the Ripon branch.

PRIVATE THOMAS EVERITT, York and Lancaster Regiment, is reported to be a prisoner of war in Germany. Prior to enlistment he was with J. & J. Haslett, Ltd., chemists, North Street, Belfast.

DRIVER H. THORPE, R.F.A., has been awarded the Distinguished Conduct Medal for gallantry in action. Prior te enlistment Driver Thorpe was with J. Riley & Sons, Ltd., manufacturing ehemists, Hapton.

PRIVATE W. A. FINDLAY, Loyal North Lancashire Regiment, recently roported missing (C. & D., September 28, p. 33), is a prisoner of war in Germany. He is the son of Mr. A. O. Findlay, pharmacist, Newport (Mon.).

SIGNALLER EDGAR H. ALLWOOD, Rifle Brigade, who was serving his apprenticeship with his uncle, Mr. W. S. All-wood, pharmaeist, Sanvey Gate, Leicester, before joining the Army, has been severely wounded, and is in hospital in the North of England.

MAJOR R. MASSON GREIG, M.C., R.A.M.C., has been awarded a second bar to the Military Cross. Major Greig served his apprenticeship in pharmacy with Mr. J. Duncanson, chemist and druggist, Stirling, subsequently qualifying as M.B., Ch.B. at Glasgow University.

THE "LONDON GAZETTE" announces the resignation of Captain F. B. Hirst, West Riding Regiment, Ph.C., F.S.M.C., F.I.O. Captain Hirst, who has recently gone to reside at York, was one of the founders of the Volunteer Force in the Dewsbury and Batley district in September 1914. His resignation is due to reasons of health.

STEWARD HAROLD DEARDEN, one of the crew of the Otranto, which was sunk in collision on October 6, is among the survivors. He has bad an exciting career in in the merchant service, having been in the explosion of Halifax, Nova Scotia, on which occasion he was congratulated for excellent work in tending the wounded. Prior to joining the service he was with Mr. H. Birkett, chemist and druggist, Blackburn Road, Acerington.

Miscellaneous.

Orange-Peel.-Jam-manufacturers and others requiring bitter and sweet oranges and lemons for manufacturing purposes should apply to the Secretary, Fruit Supplies and Preservation Branch, Ministry of Food, 100 Cromwell Read,

POTATO-FLOUR.—The Food Controller has made arrangements for the installation of machinery for the manufacture of potato-flour on an extensive scale. Those who are willing to undertake the manufacture and have buildings available are invited to apply for the detailed prospectus to the Director of Vegetable Preservation, Ministry of Food, 100 Cromwell Road, London, S.W. 7.

Photographing at Sea.—The Admiralty has issued an Order under the Defence of the Realm Act prohibiting the

unauthorised use of cameras on board a British vessel at any time or on board a foreign-owned vessel while within the territorial waters of the United Kingdom. The master of a British ship is to take charge of all cameras in the vessel until the owners disembark; in the case of a foreign ship the cameras can be returned when the vessel leaves the territorial waters. the territorial waters.

ALCOHOL AS MOTOR FUEL.—Mr. Walter Long has appointed a Committee to investigate the available sources of supply of alcohol, with particular reference to its manufacture from materials other than those which can be used for food purposes, the method and cost of such manufacture, and the manner in which alcohol should be used for power purposes. Sir Boverton Redwood, Bart, Director of Technical Investigations in his Majesty's Petroleum Executive, is Chairman, and all communications should be addressed to the Secretary at the office of the Petroleum Executive, 12 Berkeley Street, London, W. 1.

SUPPLIES OF OILS IN 1919.—The Ministry of Food has entrusted to the Drug Club the distribution of certain supplies of the following oils to recognised wholesale druggists and to wholesale manufacturers of medicinal prepara coconut oil, palm oil, oleic acid, tallow, and stearine. The Pharmaceutical Society is co-operating with the Drug Club in so far as the retail interests of pharmacy are concerned. Wholesale druggists and manufacturers of medicinal vaccounts in the part of th cinal preparations who have previously bought bulk parce's of these oils from importers, and who have not received particulars direct, should apply immediately for the necessary particulars to Mr. T. E. Lescher, 60 Bartholomew Close, London, E.C.

English and Welsh News.

The Editor would be obliged if subscribers would send him marked copies of newspapers containing items of interest for insertion in this or other news sections of the "C. & D."

The following War Office contracts have been notified: Candles.—J. C. & J. Field Ltd.; J. Pickering & Sons, Ltd.; Priec's Patent Candle Co., Ltd. Chemicals.—Johnson & Sons (Manufacturing Chemists), Ltd. Cork Stoppers.—Edinburgh Cork Importing Co., Ltd. Cork Stoppers.—Edinburgh Cork Importing Co., Ltd. Cork Stoppers.—Edinburgh Cork Importing Co., Ltd. Cork Stoppers.—Edinburgh Cork Ltd.; L. Pental Manufacturing Co., Ltd.; Elliott & Co., Ltd.; F. H. Hallam & Son, Ltd.; L. Porro, Ltd.; Western Dental Manufacturing Co. (1914), Ltd. Fly-eatchers.—Extirmo, Ltd. Medicines.—Burgoyne, Burbidges & Co., Ltd.; Burroughs Wellcomo & Co.; Arthur H. Cox & Co., Ltd.; Johnson & Sons (Manufacturing Chemists), Ltd.; T. Kerfoot & Co.; B. Laporte, Ltd. Methylated Spirit.—W. T. Alexander; Bristol Distilling Co., Ltd.; J. & D. MoNair & Co.; Prestons Liverpool Distillery Co.; Sutton, Carden & Co., Ltd. Photographie Stores.—Houghton-Butcher Manufacturing Co., Ltd.; Kodak, Ltd.; Thornton-Pickard Manufacturing Co., Ltd., Soap.—Crichton Bros.; J. Crosfield & Sons, Ltd.; S. Earle & Co., Ltd.; Gordon, Woodroffe & Co.; W. Gossage & Sons, Ltd.; T. H. Harris & Sons; F. Johnson & Co.; J. Kay & Sons; J. Knight, Ltd.; Lever Bros., Ltd.; P. Lunt & Co., Ltd.; E. Morton; Price's Patent Candle Co., Ltd.; Rubber Tar, Ltd.; J. Watson & Sons, Ltd.; R. Wheen & Sons, Ltd. Soda Crystals.—Brunner, Mond & Co., Ltd.; Rubber Tar, Ltd.; J. Watson & Sons, Ltd.; R. Wheen & Sons, Ltd.; J. L. Hatrick & Co., Ltd.; S. Maw, Son & Sons, Ltd.; J. L. Hatrick & Co., Ltd.; S. Maw, Son & Sons, Ltd.; J. L. Hatrick & Co., Ltd.; S. Maw, Son & Sons, Ltd.; J. L. Hatrick & Co., Ltd.; S. Maw, Son & Sons, Ltd.; J. L. Hatrick & Co., Ltd.; S. Maw, Son & Sons, Ltd.; J. L. Hatrick & Co., Ltd.; S. Maw, Son & Sons, Ltd.; J. L. Hatrick & Co., Ltd.; S. Maw, Son & Sons, Ltd.; J. L. Hatrick & Co., Ltd.; Swift & Goodinson; J. Taylor & Co.; C. F. Thackray; S. & J. Tuckett; F. Wrighton & Co.

Birmingham.

About a hundred ladies have entered for the medical course at Birmingham University.

There is a great demand for artificial fertilisers, which are practically the only fertilisers obtainable.

The death occurred recently of Mr. Ashman, who for many years had a homoeopathic business in Camp Hill.

The cost to Birmingham of war bonuses for its Corporation employes is nearly 500,000l.—equal to a 2s. 2½l. rate.

The death is announced of Mr. J. F. Thorneywork (Thorneywork & Strong, surgical-instrument makers, John Bright Street) at the age of seventy-four.

Mr. Joseph E. Southall, a distant relative of the Birmingham Quaker family, has presented to the Birmingham Art Gallery a pieture in tempera painted by himself.

Among recent contributors to the Birmingham Frisoners of War Fund are Cadbury Bros., Ltd., 1,000.; Scuthall Bros. & Barclay, Ltd., 1051.; Councillor J. Poole, 251.; Mr. S. Thornley, 51. 5s; Blackwell, Hayes & Co., 51. 5s.; Mr. J. W. Shorthouse, 51.; F. Williams & Co., 21. 2s.

The legal case of local interest recorded in the C. & D. last week (p. 37) recalls to the elders in pharmacy how the veterinary practice of the good old days was distributed in the town. One chemist was an expert on fowls; another was sought by horse- and cattle-owners; and a third received the canine and feline patients.

Leicester.

Leicester.

It is not often that chemists enjoy the pleasures of a queue, but some at Leicester have had that experience during the last few days. There is a rush for prophylactics of all sorts against the influenza, and last Sunday several pharmacists found people lined up in the familiar fashion waiting for opening-time, "just as if it was for beer," as one of the waiting crowd remarked cheerfully. Other pharmacists kept their premises open all day. Those with heavy rosponsibilities on their shoulders do not feel inclined to give in easily, and the work of more than one pharmacy has been for days at a time left to the valiant efforts of a (temporarily) "thick-headed" proprietor or manager and a snuffling small boy, both smelling strongly of antiseptics.

Liverpool.

Mrs. Max Muspratt, wife of the ex-Lord Mayor of Liverpool, is to be elected to the City Council.

The recent sale at Spital Old Hall, Cheshire, of the antique furniture collected by the late Sir Edward Evans attracted many bidders.

Mr. John Nicolson, city representative of R. Sumner & Co., Ltd., is to be installed Worshipful Master of the Stanley Lodge, No. 1325, on October 28.

Opinions are freely expressed here against "scrapping" or "tinkering with" the 1868 Act or the Charter in any proposed reorganisation of the Pharmaceutical Society.

The concert given recently by the Wallasey Chemists' Association proved a great success. The talent, which was all local, was much appreciated, and demonstrated that this organisation is as vigorous as it is young.

A Birkenhead pharmacist has latterly had to work until after midnight to keep up with the influenza rush. The complaint is rampant here, and several chemists have been "bowled over," as have their assistants. Formalin tablets and quinine are two of the scarcest things just now.

The Sheffield address of the Editor of THE CHEMIST AND Druggist has been received here with marked approbation, his plea for propaganda being especially commended. His draft pamphlet is endorsed with the suggestion that the qualifications of pharmacists to be the vendors of—well, of many things-should be more specifically impressed on the public.

The election of Mr. David H. Evans to the office of President of the Liverpool Chemists' Association marks the President of the Liverpool Chemists' Association marks the return of a retail pharmacist in business to the chair after a six-years' interval. Mr. William P. Evans has served for three years, and he was preceded by Mr. H. Humphreys Jones (School of Pharmacy) for a like period. The Association found themselves in a difficult position over the election. At the Council-meeting which preceded the general meeting Mr. Clubb, who was present, declined nomination, and the remaining members felt that they were too few in number to put forward a recommendation. The too few in number to put forward a recommendation. The rule of the Association is that the President who is elected in October takes up his duties in the following January.

Manchester.
It is proposed to appoint a new head of the chemistry department of the Manchester College of Technology at a commencing salary of 800l. a year.

Nottingham.

There is a saccharin famine here-even at shops where hitherto the public have been certain of getting supplies.

The meetings of the Nottingham Pharmaceutical Association are to be held monthly, instead of bi-monthly, during the coming session.

Influenza of a virulent type has revealed itself in the city and district. One consequence of the spread of the malady has been a run on proprietary articles and well-

Members of the local Association have agreed upon the adoption of a minimum-price list, whereby it is hoped to avoid the difficulties accentuated by the nature of the times. They have also approved of the suggestion that chemists on the panel should accept the revised terms for Insurance dispensing for 1919.

The importance of a Ministry of Health being set up immediately is to be urged at the next meeting of the Nottingham Insurance Committee, which represents over 100,000 insured members. The mover of the resolution is of opinion that the Ministry should be entirely separated from the Local Community Board. from the Local Government Board.

The Nottingham Pharmaceutical Association achieves its jubilee in December. Inquiries go to indicate that Alderman Richard FitzHugh, Ph.C., President of the Association (of whose illness local pharmacists regret to learn), is the only survivor of the original members. The inauguration was celebrated by a dinner held at the Maypole Hotel, Long Row. [The first meeting of the Association was reported in the C. & D., March 15, 1869. Mr. FitzHugh was the first Secretary.—Ed.]

Sheffield.

The influenza epidemic increases, and some chemists find it difficult to get through their work.

A large amount of serum is being used in provincial military hospitals-over 100l. worth a week in one instance.

A postcard is being issued asking for suggestions for any alteration desired in the panel dispensing-hours for 1919.

Mr. E. S. Perkins, chemist and druggist, till lately manager for Boots, Ltd., at High Street, Attercliffe, has been posted to the R.A.M.C.

Local chemists are absolutely "fed up" with the progress made with organisation by the Society, and as a temporary measure they are proposing to appoint four district secretaries for the city, with a hope that these will be officially recognised later.

Miscellaneous.

FIRE.—On October 17 a fire broke out in a warehouse in Cardwell Place, Blackburn, belonging to C. A. Critchley & Co., chemists. The fire-brigade quickly obtained mastery, but damage by water was caused.

British Industries Fair. - The 1919 Fair is to be held in the premises of the Port of London Authority which were used this year for the purposes of the Exhibition. The date which has been fixed is February 24 to March 7. Application for space should be made to the Director, British Industries Fair, 10 Basinghall Street, London,

EXPORT EMBARGO ON SALT.—Uneasiness has been caused in the Cheshire salt district by the official notification that presumably with the object of saving fuel used in manufacture, all exports of salt are immediately to be stopped. Mr. Brunner, M.P., held a conference with salt-workers on obtober 10 pages 10 pa October 19, and has given notice to question the President of the Board of Trade on the subject.

Poisonings.—A verdict of "Death by misadventure" was returned at a Bolton inquest on the body of Polly Williams, a munition-worker, who had taken salt of lemon in mistake for Glauber's salt. A medical witness remarked that it was quite easy to destroy a poison-label when opening a packet, and suggested that all poisons should be put up in bottles.—A Mrs. Humphreys committed suicide at a Leeds railway station by taking carbolic acid.

IN THE COURTS .- At West Ham Police Court, on October 21, Alfred Parkinson, first-class mechanic in the Navy, was remanded on a charge of stealing potassium permanganate valued at 29l. 4x., the property of the Commissioners appointed to execute the office of the Lord High Admiral of England. He was reported to have said, "The money I get is not much."—At Lambeth Police Court, London, recently, Frederick William Harman, corn-dealer, was fined 3l., with 2l. costs, for selling "carbonate of soda". as borax.

CHEMISTS' ASSOCIATION AND CHAMBER OF TRADE.—At meeting of the Southport Chamber of Trade on October 10, two members who are pharmacists, Messrs. C. Hare and S. Ratcliffe, made reference to the benefits derived from association with the Chamber, and said that the question of the effliction of the efflicit of the district Association was on the association with the Chamber, and said that the question of the affiliation of their district Association was on the agenda for its next monthly meeting. At a subsequent meeting of the Chamber it was announced that the local Association had decided to become affiliated, and much satisfaction was expressed.

INDUSTRIAL COUNCIL COMMITTEES FORMED.—The Joint Industrial Council of the heavy-chemicals trade has decided that its Executive is to consist of twenty members, and that there is to be an Emergency Committee of six members, constituted by forming a panel from the members of the Council in alphabetical order, and appointing the first three on the employers' list and the first three on the workon the employers has and the first three on the work-people's list to serve for the first month, proceeding through the lists for each subsequent month. This Committee will be prepared to go at once to any place in which a dispute has arisen which cannot be settled locally.

PREPARATORY SCHOOL FOR YOUNG WORKERS.—A preparatory school for girls was opened on October 14 at the Wheatbridge Mills of Robinson & Sons, Ltd., Chesterfield, whose staff includes some 1,500 women and girls. It was explained that the venture was an attempt at grappling with reconstruction problems. The scope of the instruction with reconstruction problems. The scope of the instruction to be given is purely preparatory, with a view to finding out capabilities. Major W. B. Robinson, in praising the recent work of the staff, said that they "absolutely pulled the nation out of a hole in regard to surgical dressings at one time." The other directors present were Messrs. C. W. Robinson, J. B. Robinson, and P. M. Robinson.

PROFIT-SHARING SCHEME.—At the Bishopsgate Institute, London, E.C., on October 16, Mr. Henry Potter, Chairman of Potter & Clarke, Ltd., presided over a gathering of 300 employés, when a presentation of silver-plate from the employés and a case of cutlery from the directors was made employes and a case of causery from the directors was made to Mr. A. Ansell on the completion of twenty-eight years' service. Mr. H. A. Potter, Ph.C., gave a review of the position of the drug-trade at the present time, with particular reference to the wage problem, and pointed out that Potter & Clarke, Ltd., have adopted the minimum. rate of wages arranged by the Drug Manufacturers' Association. Mr. R. C. Wren, J.P., said that the directors had been for a long time considering a scheme of profit-sharing, which would entitle every employe to a share in the profits after they had served one year with the company. The first division of profits would take place after the accounts for 1012 had been read a un and the divided proceed. 1918 had been made up and the dividend passed.

Irish News.

Brevities.

Mr. P. Ronaghan, Ph.C., formerly of the Cork Chemical and Drug Co., will open a pharmacy at Queen's Square, Monaghan, at the end of the month.

The Irish Boards of Guardians are now asking for tenders for the supply of medicines and medical and surgical appliances to the workhouses and dispensaries for five months from November 1, 1918. In pre-war times these contracts were mado for one year.

Mr. J. C. Boyle, Ph.C., has taken over the business of Mr. Wm. Gardiner, R.D., 82 York Road, Belfast, and is refitting it as a first-class pharmacy. He served his apprenticeship with Mr. A. Woodside, Ballymena, and was latterly with Mr. W. E. Wilson, Ph.C., North Street, Belfast.

Scottish News.

Brevities.

East-Coast chemists are having many demands for bay

Mr. G. J. Lindsay, chemist and druggist, Nethergate, Dundee, is pushing postal business in saccharin.

probably to the threatened coal-famine, the Owing demand for hot-water bottles is keen, and good sales are being secured.

Business in —, the Censor states, is benefiting by the large number of soldiers who are passing through and

There are still a few articles in most pharmacies which have not gone up during the war. Will they maintain this reputation to the end?

reputation to the end?

Chemist-opticians are experiencing extreme difficulty in procuring optical goods, and the advice proffered to customers is, "Stick to your old windows."

"On a country ramble," writes a subscriber, "I passed through a village where Mikado toilet-paper was retailing at 8d., 4 oz. medicinal castor oil at 9d., and turpentine at 1s. a reputed pint. There is no chemist in this village. I intend returning—'I have been there, and still would go.'"

The control of rubber is avidently misunderstood by the

The control of rubber is evidently misunderstood by the man in the street. Little wonder that a lady assistant in a pharmacy was perplexed lately when asked for an indiarubber hot-water bottle—the controlled variety. Her laughter had to be controlled while the proprietor explained

The lay Press has taken to recommonding eucalyptus oil —in moderation—for preventing influenza. A Fifeshire paper, commenting on remedial measures, remarks that twopence secures sufficient of "the somewhat tasteless drug" quinine for a day's consumption, while "it would take two shillings a day to drown out the trouble in the old way."

Scottish Chemists' Retail-price List.

The following are some of the alterations in the current issue of the Scottish Chemists' Retail-price List: *Drugs.*—Acid. citric., 8d. oz.; collod. flex. meth., 9d. oz.; glyc. ac. tannic., 10d. oz.; lin. camph. (paraft.), 4d. oz.; tinct. reserving 10d. oz.; ung. hydr. amm. 6d. oz.; ung. hydr. ac. tannic., 10d. oz.; lin. camph. (paraff.), 4d. oz.; tinct. myrrhæ, 10d. oz.; ung, hydr. amm., 6d. oz.; ung, hydr. oleat., 8d. oz.; zingib. rad. jam. pulv., 6d. oz. Packed Goods.—Capsules amm. quin. (30-m.), 24, 1s. 2d.; fluid ext. casc. sag., 2-oz. bot. 1s. 2d., 4-oz. bot. 2s.; cod-liveroil emulsion (25 per cent.), 6-oz. bot. 1s. 6d., 12-oz. bot. 2s. 10d.; malt ext. with cod-liver oil, 1 lb. 2s., 2 lb., 3s. 6d.; liquid paraffin, 12-oz. bot., 3: 3d. Proprietaries.—Evans's Baby Powder, 9d.; Frame Food, 1s. 2½d.; Tetlow's Swandown Powder, 11d.

Edinburgh.

Single seidlitz-powders are now selling generally at 2d.

General business has much increased during the last few days.

A city chemist has dressed his window only twice since January.

"It seems that packets containing 100 [saccharin] tablets of less than half-strength are being sold at 2s. 9d. and 3s. 6d. per packet," remarks a contributor to the "Evening Dispatch."

The Final examination of the Conjoint Board of Medical Examiners has been passed by Mr. Alexander Forsyth Caddell, chemist and druggist, and the Third examination by Mr. John Stevenson, chemist and druggist.

"If you wish," says an advertisement in an Edinburgh paper of October 19, "to become a sanitary inspector, child-welfare worker, health visitor, dispenser"—or one of about half a dozen other things—apply to a training college of which the address is appended. The curriculum (or curricula) of that college should be interesting reading.

The Edinburgh medical officer of health is, like his Glasgow colleague, advocating the use of oral and nasal antiseptics as a prophylactic measure for the times. He further remarks in an interview: "If travelling with a person who coughs and sneezes, it is a wise plan to alight and enter another compartment." Railway companies, no doubt, would be delighted to reserve compartments for persons wishing to escape from the company of the sneezer, and even to run trains in duplicate with this intent.

Glasgow.

The death is announced of Colonel George Walker, J.P., a director of George Walker, Sons & Co., Ltd., at the age of seventy-eight. Colonel Walker was for many years prominent in public affairs.

Dr. A. G. Faulds, of Glasgow Royal Infirmary, delivered an illustrated lecture on October 14 entitled "What Bacterio-logy is Effecting in the Saving of Life in this War." Representatives of pharmacy were among the audience.

The prospectus of a course of twelve lectures on bacteriology, to be given at the Royal Technical College by Dr. David Ellis, has been issued. The course begins on October 31, and may be taken conjointly with a practical course. The prospectus is an attractive one.

The following is the formula issued by local medical authorities for use as a spray or on the handkerchief as a prophylactic against influenza: Menthol gr. 40, ol. pini m 20, ol. lavand. m 10, ol. origani m 18, ol. eucalypti m 15, formalin m 6, sp. vini rect. ad 3j. For application to the nostrils the substitution of an oily basis is suggested.

A contributor to the local Press gravely suggests that when seized by an attack of influenza one should take a good dose of Epsom salts in hot water, and, two hours later, a dose of castor oil. This, we are given to understand, will remove the danger. But a pharmacist who reads his C. & D. remarks that it might remove the patient also.

Military Tribunals' Decisions.

SINCE OUR LAST REPORT the following decisions have been notified:

CAMBRIDGE.-Mr. W. T. Archer, chemist and druggist,

was exempted for six months.

FULHAM.—Mr. G. A. Hamilton, chemist and druggist, Wilkinson & Hamilton) was exempted for six months.—Messrs. T. Fitzgibbon, analytical chemist, and J. S. Baxter, assistant with the Manbré Saccharine Co., Ltd., were similarly exempted. larly exempted.

GILLINGHAM.—Mr. C. E. Beveridge, chemist and druggist, and Mr. J. H. Torrington, chemist and druggist, manager to Mr. Beveridge, were exempted for three months. Mr. R. S. Hardio, chemist and druggist, was exempted for six months.

Newport.—On appeal, the exemption held by Mr. J. H. E. Burgess, chemist and druggist, manager to Timothy White Co., Ltd., was confirmed. Volunteer service was not imposed.

PONTEFRACT.—Mr. J. B. Whitby, chemist and druggist, was exempted for six months.

ROCHESTER.—Mr. H. B. Burr, assistant with Ostler & Co., Ltd., chemists, was conditionally exempted for six months.

SHANKLIN.—The National Service Representative's appeal against the exemption held by Mr. A. Pearn, chemist and druggist, manager to Timothy White Co., Ltd., was dismissed.

Shoreditch.—L. Rose & Co., Ltd., lime-juice merchants, were granted four months' exemption for a foreman packer.—H. Miller, medicine-chest manufacturer, was conditionally

exempted for four months.

Southwark.—Thomas Keating, insect-powder manufacturers, were granted six months' exemption for a foreman, the Tribunal declining to decide whether the making of insect-powder came into the certified-occupation list under "chemical works." It was stated that the firm had manufactured 496,000 tins of insect-powder this year.—Mr. J. L. Morris, chemist and druggist, assistant with Gadd & Son, chemists was conditionally exempted. chemists, was conditionally exempted.
SUTTON-IN-ASHFIELD.—Mr. J. J. B. Stanley, chemist and druggist, was exempted for six months.
SWINDON.—Mr. A. C. Allen, chemist and druggist, was

exempted for six months.

Pharmaceutical Society of Ireland.

Council-meeting.

A MEETING of the Council of the Pharmaceutical Society of Ireland was held at 67 Lower Mount Street, Dublin, on October 8, Mr. James Michie (President) in the chair. There were also present Messrs. J. E. Connor (Vice-President), W. F. Wells, A. Owen Wells, G. A. MoLean Lee, Wm. J. Hardy, Richard Blair, Jas. Tate, Thos. N. Moffitt, Victor E. Hanna, Chas. E. Digges, John Smith, D. M. Watson, G. D. Beggs (Hon. Treasurer), J. R. Middleton, Dr. J. A. Walsh, and Dr. A. J. Barnes.

NEW MEMBERS WELCOMED.

The PRESIDENT offered a hearty welcome to the new The President offered a hearty wercome to the new rembers. Mr. Digges, he said, was unanimously elected to fill the vacancy caused by the dcath of Mr. Bowden, and from what he knew of him he felt sure the selection would prove very satisfactory. They had also with them Mr. Middleton, who would prove a valuable member of the Council. Mr. Lancashire, owing to a previous engagement, was unfortunately unable to be present. Messrs. Digges and MIDDLETON returned thanks.

ELECTION OF OFFICERS.

The election of officers and Committees was then pro-

The election of officers and Committees was then proceeded with.

Mr. W. F. Wells, in proposing the re-election of Mr. Michie as President, said he had thrown himself heart and soul into the work of the Society during his year of office, and he had performed his duties well. It was their wish that he should take the chair for another year.

Dr. Barnes seconded the motion, which was unanimously adorted.

adopted. The President thanked the members, and said it seemed to him that it was only at the end of a year that the President got properly into the way of business.

Mr. Connor, who was unanimously re-elected Vice President got properly into the way of business.

dent, also expressed thanks.

Mr. Beggs was unanimously re-elected Treasurer.

Mr. Beggs was unanimously re-elected Treasurer. Arising out of the election of auditors, Dr. Barnes repeated a suggestion which he made last year, that the Society should have an outside firm of auditors. He did not mean to cast any slur upon the present auditors, but he thought that as the Society was a public body they should have the scrvices of chartered accountants.

Mr. A. Owen Wells thought that the auditors had always done their work well, especially this year. It would at the present be inadvisable to embark on fresh expenditure.

Mr. Watson agreed there was no necessity for outside auditors.

auditors.

Mr. W. F. Wells was also strongly opposed to employing public auditors. He quoted a regulation stipulating that the House and General Purposes Committee act as a Finance Committee, and that no money be paid except as passed by that Committee.

After further discussion, Messrs. Lee and Digges were

appointed auditors.

The PRESIDENT remarked that public auditors would not save them money, and from what had just been said he thought they would be ablo themselves to bring a clear statement before the general meeting.

THE SOCIETY'S PREMISES.

Mr. Smith drew attention to the fact that the lease of the premises was running out. There was nothing in the accounts to show its value, and they had never written down anything to depreciation.

Mr. Watson said that that would appear in a properly recorded belones been sentential.

presented balance-sheet.

ELECTION OF COMMITTEES.

The following Committees were elected:

Committee to Examine Declarations, etc., of Candidates for Examination and Registration as Registered Druggists.—Messrs. J. R. Middleton, Victor E. Hanna, John Smith, D. M. Watson, and W. F. Wells.

School Committee.—Dr. A. J. Barnes, Messrs. G. D. Beggs, C. E. Digges, W. J. Hardy, T. N. Moffitt, J. Smith, Dr. J. A. Walsh, Messrs. D. M. Watson and A. O. Wells.

Committee to Inspect Candidates' Certificates.—Messrs. G. D. Beggs, V. E. Hanna, J. Smith, Dr. J. A. Walsh, and Mr. W. F. Wells.

Wells.

House and General Purposes Committee.—Dr. A. J. Barnes,
Messrs. G. D. Beggs, V. E. Hanna, W. J. Hardy, J. R. Middleton,
G. A. M. Lee, J. Smith, Dr. J. A. Walsh, Messrs. D. M. Watson
and A. Owen Wells.

Law Committee.—Messrs. G. D. Beggs, R. Blair, V. E. Hanna,
W. J. Hardy, G. A. McLean Lee, T. N. Moffitt, W. Hanna, J.
Smith, J. Tate, Dr. J. A. Walsh, Messrs. W. M. Watson, A. Owen
Wells, and W. F. Wells.

CORRESPONDENCE.

Lotters were read from Mrs. Hayes, thanking the Council Lotters were read from Mrs. Hayes, thanking the Council for vote of condolence; from R.Q.M.-Sergt. Robt. A. Jamison, R.D., returning thanks on behalf of Mrs. Jamison and family for vote of condolence; from Councillor Digges, returning thanks for his co-option; from the Clerk of the Privy Council, transmitting copies of an Order in Council approving of the appointment of Mr. Geo. Ebrill, B.A., as chemistry examiner; from Mr. Ebrill, returning thanks for his appointment his appointment.

PRELIMINARY REGISTRATION.

Messrs, D. J. Dunne, N. McCausland, and M. Roche, who submitted certificates of other bodies, were admitted to Preliminary registration.

CHANGES OF ADDRESS.

Letters were received from the following notifying changes of address:

Mr. H. G. Eaton, Ph.C., to 68 Denman Street, Radford, Nottingham; Mr. J. E. Devitt, Ph.C., to 1 Morsden Gardens, Cavehill Road, Belfast; Mr. H. F. L. Wilson, Ph.C., to Brews Hill, Navan, co. Meath; Mr. Edward Forde, Ph.C., to the Pharmacy, Jervis Street Hospital, Dublin; Mr. L. H. Parkes, Ph.C., to 87 Kenilworth Square, Dublin; and Mr. P. J. O'Meara, R.D., to Harbour Street, Tullamore, King's Co.

The reports of the Law Committee, the Certificates Committee, the Declarations Committee, and the House Committee were adopted.

ELECTION OF MEMBERS.

The following were elected as members:

Messrs. Wm. Moir Birmingham, 36 South Parade, Waterford; Wm. James Burke, 129 North Main Street, Youghal; Matthew MoDonald, 88 Donegall Street, Belfast; Wm. John Moore, Boyer's Medical Hall, 20 Knox's Street, Sligo; Thos. Francis Reddy, 135 Philipsburgh Avenue, Fairview, Dublin; Wm. Robinson, the Medical Hall, Ramelton, co. Donegal; Philip Ryan, Mason's Pharmacy, Boyle, co. Roseommon; and Andrew Wilson, Y.M.C.A. Building, Albertbridge Road, Belfast.

ELECTED AS ASSOCIATE DRUGGISTS.

The following were elected as associate druggists:

Dr. S. E. A. Acheson, chemist and druggist, 62 Cromac Street, Belfast; Messrs, D. J. Atcheson, R.D., the Drug Hall, Cookstown, co. Tyrone; F. W. Dodds, R.D., Crumlin, co. Antrim; Robt. Hastings, R.D., Newcastle, co. Down; Robt. Kells, R.D., Dufferin Villa, Kilyleagh, co. Down; Mrs. Annie Leisvy, Castleblayney, co. Monaghan; Messrs. James Macauley, R.D., 18-20 Holywood Road, Belfast; James A. M. MacCormack, R.D., 12 Corporation Street, Belfast; John A. McRoberts, R.D., 79 Ormeau Road, Belfast; Joseph Moffett, 225 Donegall Road, Belfast.

Mr. Richard D. Clarke was nominated for membership.

ADDITIONAL COMMITTEE PROPOSED.

Dr. Barnes proposed, in accordance with notice of

That, in addition to the existing Committees, a Committee styled "Drug Trade Committee," consisting of at least ten mem-bers, be formed for the purpose of considering and advising upon any commercial matters which may come before the Council.

He said that since that notice of motion appeared on the agenda paper one of his colleagues asked him if he was sure that his proposal was quite legal. On that point he might say that whenever he offered any suggestion to the Council he invariably studied both the Acts and the regulations. He did so in the present oace, but he could find nothing against his proposal. He had intended to bring the matter before the Council earlier, but he deformed it to the present meeting when the new Committee were being formed. before the Council earlier, but he deferred it to the present meeting when the new Committees were being formed. It might seem strange to make the proposal when there were established Associations in the drug-trade with their combined activities extending all over Ireland. He did so because he had long felt that the Society could in many instances powerfully back the trade bodies, and the trade bodies might at times be of material interest to the Society. Times had now changed, and he thought-a point had been reached when the Society must cease to be wholly academic and must help its licentiates more in the troubles that beset them every day behind the counter. He had no desire to turn the Society into a regular trade body, but he believed, if his proposal were adopted, it would greatly enhance the popularity of the Society and might indeed largely increase the membership-roll. He had no doubt that the Society would eventually have to face commercial questions independent of any other body, and the existence of the proposed Committee would simplify matters very considerably. He did not think that the war would be very long over when certain interested parties would see that full medicat benefits under the National Insurance Aot would exply to Ireland—in fact, he understood it had already been definitely promised. The Society, being the official representative of pharmacists in Ireland, would be the only body consulted by the authorities when instituting their arrangements under the Acts. That would, of course, be a meeting when the new Committees were being formed.

purely commercial transaction, and the Society for the time being must assume the rôle of a trade body. He would not be surprised if the Board of Trade or some other Government Department consulted them respecting contem-Government Department consulted them respecting contemplated new legislation for dealing with foreign competition so for as it affected the pharmaceutical industry. If the proposed Committee were in existence they might have the first innings and offer their views. There was also the formation of a Ministry of Public Health to be considered, and it was only fair to assume that the question of drugs and their supply would come under that body. Another use for the Committee would be to make known to the heads of drug firms each new State regulation issued that had some bearing on the drug-trade.

some bearing on the drug-trade.

Mr. Lee seconded the resolution in order that it might be discussed. His idea was that the Society was purely an examining and governing body. If it were possible to take up this matter it would be a very good thing.

Dr. Wassh supported the motion, as it was up to the Society to be ahead in matters likely to come on. It would

show that they were wide awake to both pharmaceutical and trade matters.

Mr. BLAIR thought it was quite within the power of the

Mr. Blank thought it was dive walm the power of the Council to form such a Committee.

Mr. Warson expressed the opinion that all the matters mentioned by Dr. Barnes could be dealt with by the General

Purposes Committee.

Mr. W. F. Wells said he looked on the Society as an examining and professional body. It would be a great mistake to turn it into a trade Society, and he did not not be the professional body.

mistake to turn it into a trade Society, and he did not think that the motion was very complimentary to the trade Societies in Ireland, which did their work very well.

Mr. Tare felt it would detract from the usefulness of the Society to make it a commercial one. The trade organisations, which had been brought to a state of perfection, were the proper authorities to deal with commercial matters. A Council could be elected from such bodies to look after the commercial interests of the confit. to look after the commercial interests of the craft.

Mr. HARDY also opposed the motion.

The VICE-PRESIDENT said they had already a Committee for dealing with these questions, and he was sure they would have everything ready when they cropped up.

Mr. A. O. Wells pointed out that they were purely an educational hody but the matter might be cent to see of

educational body, but the matter might be sent to one of the Committees for consideration.

The PRESIDENT thought that the matters mentioned by Dr. Barnes could be dealt with by the House Committee when they arose.

The motion was defeated by eight to six votes.

DISPENSERS IN PUBLIC INSTITUTIONS.

Mr. Blair drew attention to dispensing in county infirmaries and places of the kind, and referred to a recent case in Cork in which a man lost his life. He thought that a recommendation should go out from the Council to such institutions urging the employment of qualified pharmacities. magists.

Mr. W. F. Wells mentioned that some years ago he took the matter up and communicated with the public institu-tions in Dublin, and some of them insisted on having qualified persons.

At the suggestion of the PRESIDENT, Mr. Blair handed in

notice of motion on the matter. The Council then adjourned.

Business Changes.

MR. H. DENSTON-ROBERTS has disposed of his drug-store, 10 Upper Tooting Road, to Mr. J. Gilbert, Kingston-on-Thames.

Mr. D. M. Rees, chemist and druggist, who for some years has been managing partner of the firm of Potts & Rees, South Audley Street, London, W. 1, has purchased the business, which will continue under the style of Potts & Rees.

THE CULTIVATION of opium poppy has been forbidden throughout Egypt, in order to increase the area devoted to food production.

BRITISH MEDICAL ASSOCIATION .- "The Association claimed to enforce, by boycott and by the infliction of ruin, their own standard of medical honour and interests. That touched the vital interests of every medical man who might be exposed to degradation and dishonour at the will of a body which was devoid of the slightest statutory sanction in that behalf... The rules of the Association were in restraint of trade and void on grounds of public policy."—Mr. Justice McCardie.

New Companies and Company News.

P.C. means Private Company and R.O. Registered Office.

CHLORETHERS, LAD. (P.C.).—Capital 20,000l. Objects: To carry on business as manufacturing chemists, druggists, drysalters, perfume makers, oil and colourmen, etc. R.O., Commercial Road (office of Mann & Bear), Penryn, Corn-

Association of All-British Anti-fouling Compositions' Manufactures. (Word "Limited" omitted from the title by licence of the Board of Trade.)—Limited by guarantee, liability 5l. Objects: To carry on the business indicated by the title. R.O., Billiter House, Billiter Street, London, E.C. 3.

C. Sands & Co. (1918), Ltd. (P.C.).—Capital 1,0001. Objects: To carry on the business of manufacturers and merchants of disinfectants, fumigators, oils, varnishes polishes, soaps, dyes, curriers' and other inks, shoemakers and other cements, and all kinds of chemicals and chemical by-products. R.O., 31-33 Duncan Street, Salford.

LEVINSTEIN. LTD.—The directors announce an interim divi-

dend of 2L per share, or 20 per cent. (actual).

PIOKARD, IVE & RANKIN, LID.—Mr. Justice Astbury, on October 15, made a winding-up order in the matter of this

SADLER & Co., LTD.—The report for the year ended June 30, 1918, states that the profit amounts to 46,7541.; 4,2931. was brought forward, making 51,0471. The directors have set aside for depreciation 25,0001., and reserve for future taxation 8,0001 They now propose to pay a dividend at the rate of 9 per cent. per annum.

CADBURY'S AND FRY'S.—Arrangements have been made for CADBURY'S AND FRY S.—Arrangements have been made for uniting the business interests of Cadbury Bros., Ltd., of Bournville, and J. S. Fry & Sons, Ltd., of Bristol, by the formation of a holding company. The two companies, Cadbury Bros. and J. S. Fry & Sons, will continue to carry on business in their own names and under their own management, and the identity and goodwill of each company as they now exist, will be maintained.

pany, as they now exist, will be maintained.

CONTINENTAL CHEMICAL COMPANIES .- The Norwegian Electrochemical Co. proposes raising its capital from 14.4 to 28.8 million kronen. The increase is required in connection with the company's participation in exploiting waterfalls, wines, and other new enterprises.—The United Chemical Works Co., Charlottenburg, again pays a 27-per-cent. dividend and an 18-per-cent. extra payment—i.e., a total dividend of 45 per cent.—The Chemical Factory von Heyden & Co., Radebeul, near Dresden, has raised its capital by 3,000,000m.

Synthetic Products Co.—The petition of Blair, Campbell & McLean, Ltd., for a compulsory order to wind up the Synthetic Products Co., Ltd., on the ground that the costs of an action for which judgment had been given had not been paid came before Mr. Justice Astbury in the Chancery Division on October 22. Mr. Arthur Poweil, K.C., for the petitioners, said the costs had now been paid, and the only question was the costs of the petition. Mr. and the only question was the costs of the petition. Mr. Tebbs, for the Synthetic Products Co., said the petition was launched while a matter as to the taxation of costs was pending, and the petitioners had alleged insolvency when, as a matter of fact, the Government had taken possession of the company's assets and the company had a claim for loss of profits before the War Losses Commission. The assets were estimated to be worth 35,000%. His Lordship

dismissed the pctition, without costs.

A. & F. Pears, Ltd.—The report of the directors for the year ended June 30, 1918, shows a net profit of 91,437l. 13s. 3d., year ended June 50, 1918, shows a net profit of 91,437l. 13s. 3d., and with the amount brought forward from 1916-1917 (20,368l. 11s. 5d.) makes a total of 111,806l. 4s. 8d. Out of this amount payment has been made of the following dividends and debenture interest for the year ended June 30, 1918—viz., on 200,000l. 5 per cent. debenture stock at the rate of 5 per cent. per annum, 10,000l.; on 20,000 for cent. cumulative preference shares of 10l. each at the rate of 6 per cent. per annum, 12,000l.; on 320,000 12 per cent. cumulative preferred ordinary shares of 1l. each at the rate of 12 per cent. per annum. 38.400l.: on ach at the rate of 12 per cent. per annum, 38,400l.; on 150,000 ordinary shares of 1l. each at the rate of 20 per cent. per annum, 30,000l. The amount to be carried to reserve is 5,000l. leaving 16,400l. 4s. 8d. to be carried forward. At the annual meeting it is to be proposed "that the capital of the company be increased to 820,000l. by the creation of 1l. each raping for 150,000 additional ordinary shares of 1l. each ranking for dividend and in all other respects pari passu with the existing ordinary shares in the capital of the company."

Birth.

EDMONDSON.—At 3 Carleton Terrace, Penrith, on October 21, the wife of Thos. Edmondson, pharmacist, of a son.

Marriages.

DILLON—BARKLIE.—At Holywood, co. Down, on October 9, by the Rev. P. J. MacLaverty, C.C., Eugene Moray Dillon, late lieutenant, King's Own, to Mabel, elder daughter of the late Mr. Robert Barklie, F.C.S., M.R.I.A., Belfast.

Foggo-Robson.—At Morningside Park, Edinburgh, on October 7, by the Rev. Andrew Brown, Lance-Corporal James Douglas Foggo, R.E., chemist and druggist, to Margaret Helen, fourth daughter of the late Mr. Joseph Craig Robson, Dumfries.

MITCHELL—DEY.—At the Bay Hotel, Stonehaven, on October 5, by the Rev. Magnus Sinclair Huntly, James Mitchell, chemist and druggist, Gretna, to Elizabeth Low Dey, L.R.A.M., granddaughter of the late Mr. William Dey, Woodbine, Huntly.

Ross—Evans.—At St. Margaret's Church, Lidlington, on October 21, by the Rev. D. M. Gowie, David Ross, chemist and druggist, Invergordon (late sergeant, Seaforth Highlanders), to Minnie, second daughter of Mr. Thomas Evans, Lidlington.

Deaths.

CROSBY.—At Seamer Road, Scarborough, recently, Mr. Alfred Edward Binnington Crosby, L.D.S., 214 King's Road, Chelsea, London, S.W., only son of the late Mr. J. Crosby, chemist and druggist, Scarborough, aged forty-six.

FRY—At Failand House, near Bristol, on October 18, the Right Hon. Sir Edward Fry, G.C.B., F.R.S., F.L.S., aged ninety. Sir Edward Fry, who was a member of the Quaker family associated with the well-known cocoa, was born at Bristol. He was created a Judge of the High Court in 1877, and was promoted to the Court of Appeal in 1885. He was one of the Lords Justices who heard the appeal of Mr. W. G. Dunn in the Eno v. Dunn case (C. & D., I., 1889, p. 508). He retired in 1892, and in recent years manifested his interest in botany by publishing monographs on mycetozoa, liverworts, and British mosses.

Johnson.—At "Chorlton," Alcester Road, Moselcy, Rirmingham, on October 18, Mr. Samuel Ebenezer Johnson, J.P., L.R.C.S. Edin. L.S.A., Ph.C. After passing the Major examination in 1869, Mr. Johnson became partner in a pharmacy at Ashby-de-la-Zouch. Some years later he obtained his medical qualifications and practised in Sparkbrook. He was at one time an Alderman of Birmingham.

Norman.—At 31 Abbey Gate Street, Bury St. Edmunds, on October 14, Mr. Arthur Henry Norman, chemist and druggist, aged fifty-seven. Mr. Norman, who carried on business in Bury for many years, was actively identified with church work. The funeral took place on October 17, among the many wreaths being one from the Bury St. Edmunds and West Suffolk Pharmacists' Association.

Edmunds and West Suffolk Pharmacists' Association.

Penrose.—At Hove, on October 19, Mr. Andrew Wybrant Penrose, chemist and druggist (chairman of A. W. Penrose & Co., Ltd., 109 Farringdon Road, London, E.C.), aged fifty-eight. Mr. Penrose founded in 1893, in partnership with Mr. W. Gamble, F.R.P.S., the well-known proto-process company which bears his name. He had been an invalid for several years, the strenuous work of the early days of the business having impaired his health; his end was hastened by an attack of influenza followed by pneumonia. He is survived by his second wife and an infant son.

ROBERTSON.—At 54 George Square, Edinburgh, on Octo-

ROBERTSON.—At 54 George Square, Edinburgh, on October 18, Mr. James Robertson, Registrar of the Scottish Branch of the General Medical Council, and late Clerk of the Royal College of Surgeons of Edinburgh, aged eightyone. The funeral took place on October 21.

SLIMMON.—At 79 Montpelier Road, Peckham, London, S.E. 15, on October 14, Mr. William Slimmon, chemical-merchant, 79 Mark Lane, E.C. 3, aged sixty-four.

TAYLOR.—At 8 Oak Lane, Bradford, on October 18, Mr. Frederick Kaye Taylor, Ph.C., aged fifty-two. Mr. Taylor, who had been in business in Bradford for several years, was a well-known member of the Bradford and District Pharmacital Association. macists' Association.

ZIMMERMANN.—At Kimberley, South Africa, on October 13, of pneumonia, Mr. Frederick C. Zimmermann, fourth son of Mr. August Zimmermann (A. & M. Zimmermann), aged forty-four.

Died on Service.

AUSTIN.—Private John Austin, Grenadier Guards, has been killed in action. Prior to joining the Army Private Austin was with Joseph Crosfield & Sons, Ltd., Warrington.

CROOK.—First-Class Stoker Albert William Crook has died in hospital of preumonia, aged twenty-eight. He joined the Navy from the staff of Joseph Crosfield & Sons, Ltd.,

Honeywill.—Second-Lieutenant Stanley Ross Honeywill, of the Royal Fusiliers, was killed in action on October 8, aged twenty. He was the ellest son of Mr. William Ross Honeywill (Honeywill Bros., merchants, 79 Mark Lane, London, E.C. 3).

INGS.—Private A. E. Ings has been killed in action. In civil life Private Ings was for fourteen years with Boots,

Ltd., at a Manchester branch.

KAVANACH.—Private M. Kavanagh, Manchester Regiment, is reported killed in action on September 9. In civil life Private Kavanagh was with Taylors' Drug Co., Ltd., at the Shildon branch.

MOFFATT.—Sergeant John Moffatt, Royal Garrison Artillery, has died of wounds. Prior to joining the Army Sergeant Moffatt was with Joseph Crosfield & Sons, Ltd.,

Warrington.

PATTON.—Lieutenant (acting Flight Commander) Clement Wattson Payton, R.A.F., has been killed in action, aged twenty-one. Lieutenant Payton, who was apprenticed in pharmacy to his uncle, Mr. A. B. Payton, chemist and druggist, Harrogate, was an officer of exceptional skill and command having brought down source payages. courage, having brought down seven enemy aeroplanes and a balloon while flying alone. His commanding officer has written a sympathetic and eulogistic letter concerning him.

SPROTT.—Sergeant Thomas Sprott, R.A.M.C., Ph.C., has died on service in Palestine, aged thirty-one. Sergeant Sprott, who in civil life was principal assistant with W. A. Frizell & Co., chemists, Londonderry, qualified as a pharmaceutical chemist of Ireland in 1912. He enlisted shortly after the outbreak of war.

WALKDEN.-Private Harold C. Walkden, R.A.M.C., has died of wounds received on service, aged twenty-three. Private Walkden enlisted soon after the outbreak of war from the Market Street, Blackpool, branch of Boots, Ltd.

WHITINGHAM.—At the University War Hospital, Southampton, on September 30, Pioneer William Crowley Whitingham, chemist and druggist, eldest son of Engineer Rear-Admiral Whittingham, *C.B., agcd thirty-three Pioneer Whittingham, who died of illness contracted on active service, was for several years manager to Taylor Gibson & Co., chemists, Newcastle-on-Tyne.

Wiley.—Craftsman John Edwin Wiley, R.A.F., has died of pneumonia, aged eighteen. In civil life Craftsman Wiley was with Mr. J. B. Wilkinson, manufacturing chemist, Dudley Hill, Bradford.

WOODS.—Private William Ellis Woods, London Regiment, has been killed in action in Palestine. Prior to joining the Army Private Woods was apprenticed to Mr. H. Kerruish, chemist and druggist, Douglas, Isle of Man.

Personalities.

SIR JESSE BOOT, BART., has been appointed a member of the Advisory Committee for an Empire War Memorial.

SIR RICHARD COOPER, BART., has presented to the Shen-stone Parish Council the recreation-rooms erected and equipped by his father.

M.R. T. R. Sparrow, pharmacist, Bridghorth, was on October 15 installed as Worshipful Master of the Castle Lodge of Freemasons, No. 1621, for the ensuing year.

Mr. F. D. Spencer, chemist and druggist, Stratford-on-tyon, has taken up the study of medicine at Birmingham University. His son is following in his footsteps.

Mr. John Ward, dispensing chemist, Builth Wells, in the "Farm and Home," vigorously defends chemists against the charge that they sell rennet at exorbitant rates of profit.

Mr. ROBERT GLEDHILL, chemist and druggist, Dewsbury, has been invited to fill a vacancy on the Dewsbury Town Council. Mr. Gledhill is Chairman of the local Board of Guardians, and an ex-President of the Chamber of Trade.

Mr. William Townsend, head of the firm of James Townsend & Sons, printers, London and Exeter, has been unanimously invited to accept the office of Sheriff of Exeter for the ensuing year. Mr. Townsend has been a member of the Exeter City Council for some years.

Legal Reports.

Workmen's Compensation .- In the City of London Court, on October 19, before Judge Atherley Jones, K.C., Mrs. Ellen Everard, waiting-room attendant, claimed damages against the Metropolitan Railway Co., under the Workmen's Compensation Act, for slipping on a ground light outside Moorgate Street Station, London, E.C. Plaintiff was in the service of the defendants at the ladies' waiting-room at Moorgate Street Station from 12 noon till waiting-room at Moorgate Street Station from 12 noon till 10 p.m., at wages of 9s. 3d. per week, to which a war bonus of 25 per cent. was subsequently added. In the course of her employment she had inquiries for ladics' sanitary towels, and she was advised by Mrs. Beasley, defendants' superintendent, who had engaged her, to lay in a stock of them to satisfy the requirements of the lady passengers. She went to buy the towels at Boots, Ltd., near by, and while out fell on a ground light and broke her wrist. She paid out left on a ground light state broke her wrist. She paid 3d. each for the sanitary towels, she said, and charged 3d. for them. Defendants said that the plaintiff was not engaged in the course of her duties to them when the accident happened. The Judge found for the plaintiff for 15l., and costs. Defendants said they should appeal.

Rent Dispute.—In the Court of Session at Edinburgh on October 22, Lord Hunter disposed of an action by Mrs. on October 22, Lord Hunter disposed of an action by Mrs. J. T. Hodsdon, 6 Chester Street, Edinburgh, against Boots Pure Drug Co., Ltd., 1 South Clerk Street Edinburgh, for payment of 65l., being the rent due at Martinmas 1917 to the plaintiff as proprietrix of subjects at 19 South Clerk Street, Edinburgh, of which the defendants became tenants in May 1915 b7 assignation to them of the lease, which terminates in 1926, at a rent of 130l. per annum. Defendants denied that the rent was due, and explained that, having acquired more suitable shops in the neighbourhood. having acquired more suitable shops in the neighbourhood, naving acquired more suitable shops in the neighbourhood, they found it unnecessary to carry on business in the premises in question, which they advertised to let at a reduced rent. To this plaintiff objected, and defendants said she was acting in breach of her obligations under the lease. She had unwarrantably and illegally refused to consider the names of parties to whom defendants proposed to sublet unless the sub-rent was the same as the principal rent or defendants made payment to her of a sum in addition to the principal rent. Lord Hunter granted plaintiff decree for the sum sued for, with costs. His Lordship held that the defendants must have plaintiff's written consent to receive any tenant to whom the premises were sub-let, and the declinature of plaintiff to approve of parties put forward by defendants as sub-tenants gave them no right to retain the rent in guestion. retain the rent in question.

Employment Contract.—At the Shoreditch County Court on October 22, before his Honour Judge Cluer, the Lawrence Chemical Co., Ltd., of St. Dunstan's Buildings, St. Dunstan's Hill, E.C., chemical-manufacturers, sued W. J. Steel, of 11 Credon Road, South Bermondsey, to recover 17t., being a month's money, as the defendant failed to enter their employment as he had contracted to do. Mr. Samuel Lincoln, barrister, for the plaintiffs, said it seemed to have become a practice in this trade now for men to get berths at advanced wages and then go to the former employer and intimidate him into a still further increase. It was a reprehensible practice, which was largely on the increase. Plaintiffs declined to be made to suffer in such a way, so had brought this action. They advertised for a man, and the defendant answered their requirements. He agreed to enter their employ at 47. 5s. a week-21. 15s. wages and 30: war bonus—but afterwards said his firm would not part with him at any price, and as he would not financially suffer he should stay. They wired him to say that they could not put up with that treatment, and then he signed a contract to enter their employ, a month's notice on either side. Finally he wrote to say that the next man to him had joined up, and he could not leave his old firm stranded as they were on war work. As a fact, so were the plaintiffs. Mr. Cunliffe, for defendant, asked Mr. Lawrence, who was called, if he was aware of Regulation 8B of the Defence of the Realm Act. A long legal argument followed, Judge Cluer holding that if a statutory defence was set up it had to be pleaded. Mr. Cunliffe said the did not rely on the Statute per se, but submitted that the contract was unenforceable. Judge Cluer insisted that it had to be pleaded, and on a formal application being made, gave leave to amend the pleadings. Mr. Cunliffe then said the particular offence was, he alleged, inducing, or trying to induce, an employé to leave his employer. There was a prohibition in the Regulation, and therefore he argued that the contract could not be enforced. Judge Cluer said he should advise counsel to prosecute if he thought it had been done. Plaintiffs' counsel said he was

not prepared to meet such a case that day, and Judge Cluer adjourned the case, but granted the plaintiffs the costs of the day, as the amendment only occurred at the last moment.

Sale of Cocaine.—At the South-Western Police Court; London, S.E., on October 17, Mr. George Frederick Handel Bartlett, chemist and druggist, 38 Battersea Park Road, was summoned before Mr. Bankes, K.C., with unlawfully supplying cocaine to Edouard Demattinne, now dead. Mr. Muskett, prosecuting for the police, said the case was a serious one. The four summoness were taken out underthe Defence of the Realm regulations, which prohibited the a serious one. The four summonses were taken out under the Defence of the Realm regulations, which prohibited the supply of cocaine to unauthorised persons. Edouard Demattinne was a Belgian refugce, and had lived at Cambridge Mansions, Battersea. He was a confirmed morphine and cocaine maniac. His death in September last was made the cocaine maniac. His death in September last was made the subject of a Coroner's inquiry, and it was ascertained that the deceased obtained cocaine from defendant on prescriptions written by himself. This was perfectly clear from letters found among deceased's papers. In the defendant's coeaine register there were 148 entries recording the sale of cocaine to the defendant between September 28, 1916, and August 18, 1918. The prescriptions purported to have been given by a Brussels doctor, but they were in the handwriting of the deceased. When told by the police that the prescriptions were not genuine defendant replied, "I don't know whether they were genuine or not. He brought the prescriptions were not genuine detendant replied, "I don't know whether they were genuine or not. He brought them to me day by day." The transactions became so grossly irregular that even after the man's death two powders, one containing morphia and the other cocaine, were sent from the defendant's shop to the flat. Four shillings and eightpence a day was spent by the deceased in this manner. Mr. C. H. Kirby, for the defendant, said he believed the prescriptions were genuine the transactions. in this manner. Mr. C. H. Kirby, for the defendant, said he believed the prescriptions were genuine, the transactions were perfectly open, and the price of 4s. 8d. was fair and reasonable. Mr. John Keall, chemist, 63 West Hill, Wandsworth, said he had had a large experience of prescriptions written by foreign doctors. He would have accepted the prescriptions supplied to defendant as genuine. Mr. Bankes said if he felt satisfied that defendant knew the prescriptions were written by the defendant he would have prescriptions were written by the defendant he would have sent him to prison for the longest period the law allowed. He was not so satisfied. The deceased met his death by the use of the drugs, and the defendant ought to consider himself lucky he was not charged with a more serious offence. He fined him 100l., and ordered him to pay in addition 51. 5s. costs.

Private Arrangement.

A MEETING of the creditors of Benjamin G. K. Clarke (deceased), chemist, 6 Bladud Buildings, Bath, was held on October 15, when a statement of affairs was presented dis-closing liabilities totalling 1,165*l*., and assets estimated to produce 151*l*. 19s., after allowing for the claims of preferen-tial creditors, the estate thus disclosing on paper a deficiency of 1,013*l*. 14s. 10*d*. The largest creditor was the landlord, and his claim represented the accumulation of rent practically since the deceased first acquired the business. In addition to this claim for rent, there is stated to be a further claim in respect of dilapidations. The debtor died on July 15, and as his widow renounced her interest in the estate it was necessary in order that the assets should be realised and the proceeds distributed that letters of adminisrealised and the proceeds distributed that letters of administration should be taken out, and it was resolved that Mr. H. Wood (the landlord) should apply for same. Among the creditors are Wright, Layman & Umney, Ltd., 71.; Cuxson, Gerrard & Co., Ltd., 51.; Camwal, Ltd., 111.; Southall Bros. & Barclay, Ltd., 71.

Information Department.

INFORMATION WANTED.

202/9. Terrol Co.'s goods, 195/8. "Aonian" lighter flints supply 198/58. Hæmoxyl tablets supply 199/60. "Vikko" soap

INFORMATION SUPPLIED.

Dextrose, 194/19
"Ferrigen," 193/35
"Ovaltine," 185/49
Perfumed bricks, 191/32
"Phosphagon," 196/40
"Pink Heel Ointment," 194/23
Post's "C.B.Q.," 185/51
Poudre Nilde, 188/44 and 191/35

Surgical instruments, 194/210
"Thermofuge," 189/61
"Thermogene" 189/61
"Toxine," 193/50
"Westrosol," 193/35
Yerba santa liquid extra170/28
"Zepto" tartar remov
(Egyptian inquiry) (179/4) 194/210 extract.

Observations and Reflections. By Xrayser II.

Mr. Glyn-Jones's Plea

for unity of organisation is, academically, manswerable, but he admits that it is a plea for the ideal in a very unideal world. I have frequently expressed my own preference for a single organisation, and if Mr. Glyn-Jones is prepared with a scheme that holds out a reasonable prospect of ensuring the full representation and efficient management of all our interests as pharmacists and tradesmen by the Society itself, I shall be among the first to welcome it. He cannot be said to have laid any such scheme before us in his address to the North London Association, or to have met convincingly the points raised by his critics. We have, moreover, been so often assured by our elected leaders themselves that the Society's charter stands in the way of such a reorganisation as many pressing trade-problems admittedly demand that we may be excused for doubting whether Mr. Glyn-Jones's ideal is possible without Parliamentary help. Does he propose to seek this? If not, what is the use of all this talk? He may not agree that Parliamentary aid is necessary, his estimate of the interests peculiar to our craft, may, like Wordsworth's standard of intoxication, be "deplorably low," but there is an old saying about putting new wine into old bottles, and if a new Act was required for the very moderate reforms of 1908 we shall hardly get the Society remodelled to our mind without yet another Act. It is this difficulty that occasions and excuses the demand for an outside organisation. I wish Mr. Glyn-Jones would face it squarely.

The Discussion of the Tariff Terms for 1919

which has taken place at many local pharmaceutical meetings shows a widespread if not universal dissatisfaction, and if panel chemists have the courage of their convictions the promised Conference to reconsider the question should follow without delay. But will it? The time allowed us for discussion was so short, and we are so dilatory in our habits that quite possibly it will not, in which case we shall be committed to another year of unremunerative work, restlessness, and grumbling. The most noteworthy contribution to the discussion so far is that made by the County of London Committee in urging upon Council the desirability, in future, of submitting the proposed terms to the Committees before approaching the Commissioners. This is so obviously the most sensible course that anybody unacquainted with the Local Associations Executive might wonder why it was not taken. But that is not "pretty Fanny's way."

The Scathing Judgment

of Mr. Justice McCardie in the Coventry boycotting case will be welcomed by all who have any regard for the public welfare or for the higher interests of the medical profession itself. The rules of the British Medical Association, said the Judge, are in restraint of trade, and are therefore void. This puts the action of the Association where it deserves to be put, on a strictly commercial as distinguished from a professional level. The Judge decided that it is not by ethical considerations that such action as theirs is swayed, but by the most sordid and selfish reasons, in this case, at any rate, edged with malice. It was time that the pretensions of the Association were checked, and that they will be checked by the issue of this trial cannot be doubted.

The Proprietors of Glaxo

have issued a circular to the trade intended to reconcile us to the distribution of their preparation to necessitous persons by municipal and other public bodies at prices against which we cannot possibly compete. They argue that this is but an extension of the practice (to which no trade has objected) of the supply of milk by local authorities. This seems rank special pleading. Obviously the two cases are not on all fours because milk is not a proprietary article. In the circular referred to (which is cleverly

put together) much is said about the interest of the public, but nothing about that of the manufacturers, which, however, we may fairly suspect to be their chief concern. This fact—that it is the property of a single firm, in whose sole interest it is produced-removes the food altogether from the same category as milk. If the public weal requires that it should be publicly distributed it should, in my opinion, be supplied not under a proprietary but under a fully descriptive name, without any indication of its commercial source. The proprietors say this is a fallacy, because "the elimination of the trade-mark" would not recompense us for the loss of our profit, but earlier in the pamphlet they insist upon the foolishness of our raising of this question of profit in war-time, and that is not indeed the main ground of our objection to the public distribution. What we do complain of, and have a right to complain of, is the being placed in an odious position in the public eye, by being forced, if we are to obtain a living profit, to offer at six-and-threepence what can be got from an institution for three-and-eightpence. This, quite unjustly, makes us look unpleasantly like profiteers.

Jacob Bell

has left it on record that his entry into Parliament was regarded with "very mixed feelings" by his pharmaceutical brethren. Not only were they not "enthusiastic on the occasion," but evidently a good deal of jealousy was felt by some of them, who were divided in opinion as to whether "rash presumption" or "spirited devotion to the cause" of pharmacy had been the motive of his candidature. Undoubtedly the latter was his motive, and it may truly be said that this devotion ultimately cost him his life. But some of his associates had "never dreamt of his aspiring to" a position which left them no longer "on terms of social equality" with him, and they did not like it. We may congratulate ourselves on having advanced a little in this respect since then. The "interest of pharmacy" no longer means for many of us merely our own individual interest; we have acquired a corporate consciousness to which comparatively few of our forefathers of the 'fifties had attained—and perhaps membership of Parliament does not now make so much difference to one's social status. Be this as it may, we undoubtedly owe our growth in esprit de corps very largely to Jacob Bell.

Mr. Selfridge's "Romance of Commerce"

is not, and does not profess to be, a serious contribution to the history of trade, though its matter is arranged in a quasi-historical manner. Taken, however, simply for what it is, the book, interesting as many of its chapters are in themselves, cannot be commended without considerable reservation. It is too scrappy and superficial, and its style often irritates. I confess that the illustrations with which it abounds are to me its most agreeable feature; many of them are curious, and all are interesting, and I can "read round them" with pleasure, though an attempt to read the book through proved too wearisome. It is a big book, but its omissions are needlessly many, for much space is wasted in irrelevancies. The drug-trade is mentioned only once, and that in a quotation concerning the East India Company, in which "the drugs of Egypt and Arabia" figure among the commodities imported by that company. There are two or three passing references to Egyptian trade and one to Arabian goods. Our commerce with Russia in Tudor times, and through Russia with the East, one of the most "romantic" episodes in our commercial history, receives equally scanty attention, although there is a whole chapter on Trade in Tudor Times. Mr. Selfridge adopts the now abandoned derivation of "sterling" from "Easterling," and residents of Highgate will resent his making Bunhill Fields the furthest point reached by Dick Whittington in his flight from London. Is not the stone on which he rested still to be seen at the foot of Highgate Hill? Alas for the "Romance of Commerce" if we are to give up this legend!

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n announcement of particular interest to you appears in this issue on page ii. O PORCE 100

HAEMORRHOIDS

A NOTE TO CHEMISTS.

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Editorial Articles.

A Whitley Drug-Council.

We were not able last week to print more than an abstract of Mr. Glyn-Jones's excellent paper before the North London Pharmacists' Association on the sphere and ser-vice of the Pharmaceutical Society, but we printed sufficient to show that the speaker's contention is that the Pharmaceutical Society is the only possible representative of pharmacy with which the Government can treat. Perhaps the most interesting part of the address was the reference to Whitley Councils and the promise to show on some future occasion how "a Whitley Council for retail pharmacy could be part of the Society's organisa-tion." This refers to the recommendations contained in the series of Reports of the Committee on the relations between employers and employed which has held its sittings under the chairmanship of Mr. J. H. Whitley, M.P. Last February (C. & D., February 2, p. 43) we devoted one of a series of articles on reconstruction to the question of a Drug-trade Council, in which we urged that steps should be taken to constitute a body which

would represent the whole trade on the lines laid down in the Whitley Reports. The idea was not new, as Mr. C. A. Hill, in 1917, as President of the British Pharmacentical Conference, suggested such a representative body before the Whitley Committee had issued its recommendations. The Pharmaceutical Society, in accordance with its well-known laissez-faire attitude, has taken no steps to consider the question, the reason being, as it appears from Mr. Glyn-Jones's speech, that the Society considers it is or can be made into a Whitley Council. The list of functions of such a Council were collated by Mr. Glyn-Jones as follows:

Demobilisation and employment. Raw materials, priority and rationing. Priority in the supplies of machinery. Financial facilities. New industries. The disposal of surplus Government stores. Transport by road, rail, and canal. Power and housing requirements. Technical training and scientific research.
Recovery and development of overseas markets.
The stability of home manufactures and their defence against foreign combinations and alien penetration.
The encouragement of invention and the protection of

British rights abroad. After giving this list Mr. Glyn-Jones asked: "Does anyone suggest that the statutory body representing pharmacists could allow without its interference any other body to deal with such matters?" Our reply is that the Pharmaceutical Society does not represent the whole of the drug-trade, and that therefore it cannot be a properly constituted and recognised Whitley Council. It could, however, send representatives to such a Council in common with other sections of the drug-trade. Mr. Glyn-Jones's speech supplies perhaps the most striking argument for the organisation of other bodies to represent interests not covered by the Pharmaceutical Society. Such questions as those dealing with raw materials, new industries, transport, recovery and development of overseas markets, power and housing requirements, for example, could not possibly be dealt with adequately by the Pharmaceutical Society, but would need the assistance of the Drug Club (representing wholesale druggists) and an Association with a membership of importers, exporters, and drugbrokers. The question of demobilisation and employment requires consultation with an Association representing assistants and apprentices. The Pharmaceutical Society has never shown an adequate appreciation of the claims of unqualified assistants. So recently as the early part of this year Mr. E. White persuaded the Council to formulate by-laws to make it difficult for assistants to pass the Qualifying examination. The assistants inti-mately concerned with the proposals were not consulted at all; they could not, indeed, be consulted because they were fighting the country's battles! It is a Society such as this which Mr. Glyn-Jones says would brook no interference from any other body. Another instance of the lack of regard for undergraduates is to be found in the unfair requirement that candidates who have failed in any one subject must take the whole of the subjects again. The object of such regulations can only be to place obstacles in the way of candidates. A reform in this direction has been urged for years, but it is only this week that the Reconstruction Committee recommends that a by-law be framed to do away with this unjust anomaly. We understand that a new organisation for assistants is in process of formation, and our advice to the organisers is to push forward their work with all speed, and obtain recognition from the Ministry of Reconstruc-tion. The fact is that the Pharmaceutical Society is a Victorian organisation which has done excellent work but requires remodelling to fit it for the requirements of the present day. What Mr. Glyn-Jones should endeavour to do is to bring about the formation of a Whitley Council which will fulfil the Government requirements of "an Association of Associations" and represent the whole of the drug-trade. The questions of "improving the rela-tionship between employers and employed" may soon become one of the most urgent problems before the trade. Scientific research requires the recognition on a Whitley

Council of a body such as the British Pharmaceutical Conference, which concerns itself almost entirely with scientific problems arising in the drug-trade. Representation on the Whitley Council would also be needed for the Proprietary Articles Trade Association and any other body representing manufacturers of proprietary medicines. We quote the following from one of the Whitley Reports: "It is intended that each Council shall deal with the whole trade or industry, and not with any special branch. The whole object in having a Council is to bring together all the factors in the 'trade.' To talk of a Whitley Council for the retail trade is a misuse of terms.

Analysis of Saccharin Tablets.

SEVERAL inquiries have reached us lately in regard to the methods of estimating the strength of saccharin tablets. Some of the inquiries express doubt as to whether purchased tablets are of the strength they profess to be. It seems desirable, therefore, to publish information which will enable our readers to check the strength of these tablets. It happens that the subject was investigated recently by Mr. H. Droop Richmond F.I.C., and Mr. C. Alfred Hill. These chemists read a paper on the analysis of saccharin at the annual meeting of the Society of Chemical Industry last July, in which the various methods of estimating sacoharin were investigated. The method the authors found to be "rapid, convenent, and accurate" depends on the estimation of the ammonia produced by acid-hydrolysis of o-benzoyl sulphonimide. It is known as the alkaline acid hydrolysis method. The process is thus described by the authors:

We have adopted as working conditions two minutes' boiling with 10 c.c. of 7.5N sodium hydroxide, taking care not to concentrate appreciably, followed by *fifty minutes' boiling after the addition of 15 c.c. of 10N hydrochloric acid under any form of reflux which condenses efficiently without retaining an appreciable amount of liquid, adding a little powdered pumice, if desired, to promote steady boiling; sodium chloride should not be deposited while the liquid is boiling. No correction for variation of temthe liquid is boiling. No correction for variation of temperature due to the usual changes of barometric pressure (740-775 mm.) is necessary. After the heating is completed the liquid is cooled, 75 c.c. of cold water added, and a current of air passed through the upper part of the flask to remove any acid vapour; 15 c.c. of 7.5% sodium hydroxide is added carefully, and the flask at once connected with a distillation apparatus provided with an efficient steam trans a condenser and an absorption flask in nected with a distillation apparatus provided with an efficient steam trap, a condenser, and an absorption flask in which is placed 20 c.c. of N/5 hydrochloric acid. The distillation is started with a small flame to obviate a considerable rush of air through the standard acid, which would be liable to lead to incomplete absorption of the ammonia; after the air has ceased to bubble through the acid the flame is raised and about 70 c.c. is distilled. The solution is titrate 1 with N/10 alkali, using methyl red as indicator, and corrected for a blank test of the reagents. Other indicators may be used, but we prefer methyl red as being the most delicate. No correction is needed for the as being the most delicate. No correction is needed for the small amounts of ammonia present in commercial saccharin (not usually exceeding 0.01 per cent.), as this is practically all removed by the alkaline treatment. The strengths of the acid and alkali used should not vary more than 2 per cent, at most from those given above. With 0.6104 gram cent, at most from those given above. With 0.6104 gram of saccharin the number of c.c. of N/10 acid neutralised multiplied by 3 = percentage of saccharin.

Slight modifications are desirable for estimating saccharin in tablets owing to the presence of sodium bicarbonate. Mr. H. Droop Richmond has now supplied us with the following particulars of the process for tablets used in the laboratory of Boots Pure Drug Co.,

For full-strength tablets the method is: Take 20 tablets +30 c.c. 2.V hydrochloric acid +20 c.c. water. Boil for 2^1_2 hours under reflux, add 10 c.c. 7.5N sodium hydroxide,

and proceed as described above.

For half-strength tablets: Take 40 tablets + 50 c.c. 2N hydrochloric acid, boil for 2½ hours, and proceed as described above.

The calculation is made as follows:

No. of c.c. acid neutralised $\times 0.0183 \times 15.43$ = grains per number of tablets

tablet. This gives the amount of benzyol sulphonimide in grains per tablet.

Acid Calcium Phosphate.

THE extreme scarcity and high prices ruling for cream. of tartar have for a considerable period led to a very heavy demand for acid calcium phosphate and other chemicals for aërating purposes in the baking and confectionery trades. This demand, however, cannot be supplied by the half-dozen or so manufacturers in this country, and many orders have been booked which are likely to remain unexecuted for various reasons, among which is the great scarcity of bone ash, which is the most suitable raw material, and this, added to the shortage and difficulties with labour, makes it impossible to meet the demand. There is, therefore, little possibility of the position easing until after the war, although we notice that one English maker is offering for January-February delivery next year at round about 140l. per ton. country was largely dependent upon the United States for cream-of-tartar substitutes, but supplies from this quarter have fallen off. We understand, however, that urgent representations have been made to the Department of Import Restrictions to give facilities for importation, with the result that that Department has issued the following notice:

The Department of Import Restrictions announces that under the existing regulations of the United States War Trade Board no commodity purchased on private account can be exported from the United States to the United Kingdom without an export licence granted by the United States War Trade Board, which licence will not be granted unless the United States exporter presents to the War Trade Board a "permit to purchase" granted to the British importer by the Department of Import Restrictions of the Board of Trade in London. All persons wishing to import directly on their own account acid calcium phosphate and other chemicals for aërating purposes from the United States are hereby requested to submit their applications for "permits to purchase" to the Controller, Department of Import Restrictions, Board of Trade, 22 Carlisle Place, London, S.W. 1, before November 1, 1918. Every application must state the quantity of these commodities, together with the net weight and f.o.b. value, which the applicant desires to import directly on his own account in each month of the year ending Ootober 31, 1919. Every application must be accompanied by a Statutory Declaration duly sworn before a Commissioner for Oaths or Justice of the Peace (and bearing a duty-stamp to the value of 2s. 6d.) setting forth the total quantity, by weight, of these commodities which the applicant has imported from the United States directly on his account:

(a) During 1917; and (b) Since January 1, 1918,

together with particulars of any "permits to purchase" which may already have been granted by the Department of Import Restrictions. The total quantity of these commodities for which "permits to purchase" can be granted is strictly limited, and will be distributed between applicants who have been direct importers on the basis of their importations during 1917 and 1918.

The terms of the above notice appear so onerous that we fear it will have little influence on the market position for some time, especially as permits are to be granted for strictly, limited quantities only. Moreover, any firms who were not importers in 1917 or 1918 will not be granted a licence, so that comparatively few firms will be allowed to import. Some responsible dealers who have made a speciality of these phosphates during the past two years will therefore be denied this source of supply

"C. & D." Subscription Raised.

THE annual subscription to THE CHEMIST AND DRUGGIST will be 15s. in future, the increase being necessitated by the great rise in the cost of production. We shall thus be able to maintain the standard of the journal, an object which we feel sure our subscribers will recognise as of primary importance.

" Eppur si Muove."

The Council-meeting of the Pharmaceutical Society on Wednesday was held in private, so we have no idea as to the reasons for the extraordinary speed with which modern ideas are progressing. The reports which the Society has kindly supplied us with show that at this one meeting

reports were adopted which will have the effect of profoundly altering the present regulations in regard to the Society's examinations. Power is to be obtained to accept evidence of a candidate's preliminary knowledge other than the possession of a certificate of an examining body. An equally startling innovation—long overdue—is the proposal to credit candidates who fail in the Qualifying examination with the subjects in which they pass. The Council has evidently taken to heart the warning which the Minister of Reconstruction uttered as to the steps that would be taken to prevent "stickiness" in altering examination regulations in favour of disabled and demobilised men.

"Brutes they Remain."

THERE have been so many crimes committed by Germans against humanity that one can hardly be surprised as the catalogue of atrocities swells. In the recently issued. "Report on the Treatment by the Germans of Prisoners of War Taken during the Spring Offensives of 1918" occur numerous recent instances of ill-treatment. The following is told of a German doctor, and happened at the Valenciennes hospital last April:

A man named Private Ellis was in my ward with a bullet wound through his lung. He lay for some days unattended to, and was then taken to see the doctor. As he was in great pain he was calling out; the doctor hit him a hard punch on the jaw and sent him back to the ward; he came back crying, and died next morning. I do not know the doctor's name. He treated the patients very roughly. Ha used to pull men about dreadfully. In the first week cr two I was there I counted an average of fifteen deaths a day. I am positive that, with proper treatment, there would not have been anything like this mortality.

We trust that the Government will make every endeavour to trace this doctor and place him on his trial for murder. The Earl of Reading has told us that "Justice will be stern," which we hope will be the case with the many German doctors and others who have practised brutalities on wounded prisoners.

Trade Notes.

WRIGHT, LAYMAN & UMNEY, LTD., advertise in this issue a series of synthetic perfumes. Readers will please note that the price of Lavandesse should have been given as 3s. per oz.

ASPIRIN TABLETS.—Howards & Sons, Ltd., Liford, guarantee their aspirin tablets to contain the full 5-gr. dose of aspirin and to be free from any deleterious excipient.

ELECTRIC POCKET-LAMPS.—Archibald J. Wright, Ltd., 61 Eden Grove, Holloway, London, N. 7, announce that their new illustrated list of electric pocket-lamps, torches, and hand-lamps is ready.

PAPIER POUDRÉ PRICES.—The revised prices for Papier Poudré and Poppœa preparations were given last week in the advertisement of Papier Poudré, Ltd., 20 Baker Street, Portman Square, London, W. 1.

LORIMER'S SPECIALS.—Mr. John Lorimer, 10 City Road, London, E.C. 1, specialises in modern chemical products. His advertisement mentions, for example, three kinds of organic silver salts—nargentol (24 per cent. silver), silver proteinate (British-made protargel), and silver nucleinate: Lorimer's Sanatogen is well known; the retail prices are now 3s. 3d. and 5s. 9d. Kremofos, a brand of calcium acid phosphate, is in great demand as a substitute for cream of tartar.

of tartar.

INFLUENZA VACCINES.—Parke, Davis & Co., manufacturing chemists, Beak Street, Regent Street, London, W. 1, are advertising in this issue vaccines used in prophylaxis and treatment of influenza now epidemic in England. The influenza bacillus vaccine is being largely prescribed by medical men for preventive inoculation, one-half the quantity contained in a bulb (250 million bacilli) being given for a first dose, five days after which the whole contents of a bulb (500 millions) are given to complete the immunisation. For use in treatment of attacks, other strengths of the vaccine—viz., 100 or 1,000 million bacilli per c.c.—are supplied. The vaccine is prepared in the inoculation department of St. Mary's Hospital. Chemists should be in a position to meet requests for the vaccine from the medical profession.

Pharmaceutical Society of Great Britain.

Council-meeting.

A MEETING of the Council was held at 16 Bloomsbury Square, London, W.C., on October 23, Mr. W. L. Currie (President) in the chair. There were also present Miss Buchanan and Messrs. F. E. Bilson (Treasurer), A. S. Campkin, J. Harcombe Cuff, J. W. Deakin, R. L. Gifford, F. G. Hines, A. H. Jenkin, J. Keall, E. T. Neathercoat (Vice-President), F. P. Sargeant, H. Skinner, E. White, H. Wolff, and J. R. Young.

PARLIAMENTARY FUND.

The report of the Parliamentary Fund Committee, which was received and adopted, stated that the sum of 2,626%. had been subscribed to the Fund, and that a further sum of 230%, has been received by way of interest. The Committee has from time to time spent 700% in the support of the candidature of three pharmacists, but the conditions applicable to one of the candidates having changed, he has returned the amount of the grant. The Committee now has a balance of 2,556l. The Committee hopes to report at its next meeting in regard to the candidates with whom it has been negotiating. The Committee is under no obligation to report in detail upon its work.

STAFF COMMITTEE.

The report of the Staff Committee, which was adopted, recommended that Mr. Mallinson be appointed an additional Assistant Secretary, and that the salary of Mr. Mallinson and the wages of any member of the staff not exclusively employed in the work of the Checking Bureau should be paid out of the Society's general funds, and that (subject to the approval of the Local Associations Executive on the advice of its Finance Sub-Committee) 600% be charged to advice of its Finance Sub-Committee) 600l. be charged to the Local Associations Executive account to cover the cost of the Secretarial and office services necessitated in carrying out the work performed under the direction of the Local Associations Executive. The salary of Mr. Chater is to be increased by the sum of 50%, per annum.

INSURANCE DRUG TARIFF.

The report of the Local Associations Executive stated that there is a clear majority in favour of accepting the terms offered by the National Health Insurance Commissioners.

PRELIMINARY EXAMINATION.

The Library, Museum, School, and House Committee report adopted by the Council contained the following regulation in regard to the Preliminary examination:

During the period of the war, and for such time thereafter as in the opinion of the Council special conditions resulting from the war prevail, any application to be registered as an "Apprentice or Student," where the applicant is unable to produce a certificate in conformity with the regulations now in force, will be submitted to a Committee for report to the Council. The Committee, after such investigation as they may deem necessary, may grant, for submission by the Registrar to the Council, a certificate signed by the Chairman thereof that the applicant possesses a standard of preliminary knowledge to justify the belief that he would be competent, after undergoing the necessary course of training in the subjects of the Minor or Qualifying examination, to pass that examination. The Council may thereupon authorise the applicant so certified to be registered as an "Apprentice or Student." applicant is unable to produce a certificate in conformity

THE LAWS OF PHARMACY.

Mr. F. W. Crossley-Holland has undertaken the charge of the branch of the Ministry of Health Committee's work dealing with the law and custom affecting pharmacy in other countries

EXAMINATION CANDIDATES.

The report of the Reconstruction Committee recommended that a by-law be passed enabling the Council to make regulations whereby a candidate may, subject to such regulations. lations whereby a candidate may, subject to such regulations, be examined in one or more subjects of the Qualifying examination, or if he fails at any examination in one or more subjects, be excused at any subsequent examination such sphject or subjects in which he may have previously satisfied the examiners. A by-law will also be necessary to consider the question of fees. This was adopted by the Council. The question as to the modifications needed in the case of condidate above; and condidate above; and condidate above; all the case of condidate above; and condidate above; all the case of condidate above; all the case of condidate above; and condidate above; all the case of conditions are conditioned as the case of conditions are case of conditions as the case of conditions are conditions. the case of candidates physically disabled as the result of service with the Colours was referred to the next meeting of the Board of Examiners for consideration and report.

Society of Chemical Industry.

THE first meeting of the session of the East of Scotland THE first meeting of the session of the East of Scotland Section was held in Edinburgh on October 15, when the Chairman, Mr. D. B. Dott, gave a short address on the Influence of Philanthropy on Trade and Manufactures, with special reference to the opium and alkaloid trade with the Far East. It was noted that the suppression of the export of opium from India to China had not stopped the use of the drug in the latter country large tracts of land therein heing now under latter country, large tracts of land therein being now under cultivation for opium, while smuggling and clandestine dealings in the forbidden articles are rife. At the same time, the almost prohibitory restrictions on the export of certain alkaloids from this country are tending to throw the track into the hand of these that the large of the same time. the trade into the hands of others, so that, while the hopes of the philanthropists are being shattered, valuable trade has been lost. Mr. Dott also contributed a Note on the Surface-decay of Stone, in which he attributes the increased decay observed in more recent times to the greatly increased amount of sulphur acids sent into the air from the inferior qualities of coal and coal-gas now consumed. Samples of the crumbling material from several buildings Samples of the crumbling material from several buildings showed in each case a considerable percentage of sulphate, although specimens of sandstone from the neighbourhood indicated none.—The Yorkshire Section met at the Queen's Hotel, Leeds, on October 21, when Mr. F. W. Branson, F.I.C., Ph.C., read a paper on Some Aspects of the Scientific Glassware Industry, being a continuation of a previous contribution, in which he gave analyses of all the principal types of German glassware in use in this country before the war. Mr. Branson first spoke of the co-ordinated effort of manufacturers and merchants, in conjunction with the of manufacturers and merchants, in conjunction with the Society of Chemical Industry, the Board of Trade, and the Glass Technology Department of the Sheffield University, to meet an urgent national need in the supply of essential instruments of the large steelwarks and other industrial instruments of the large steelworks and other industries concerned with munitions of war. He gave analytical data with respect to glassware imported prior to the war, and described the laboratory and manufacturing methods in British-made equivalents, which were clearly shown to be superior in quality to the best imported glassware of pre-war date. From the economic standpoint, with a view to extend the industry, which is already large, and also with a view to beating foreign competition effectively after the war, Mr. Branson suggested that hollow glassware used in such works as those mentioned should be standardised as In such works as those mentioned should be standardised as to shape, size, weight, etc., so as to avoid unnecessary sizes. Quoting from the report of the Sub-Committee on Glassware Testing and Standardising, under the Scientific and Industrial Research Advisory Council, he mentioned, as an example, that the sizes of plain beakers catalogued during the years 1914 and 1915 by the leading Continental and British manufacturers amounted to forty, whereas the report recommended twenty-one as being all that was necessary, and that a representative Committee was amounted with and that a representative Committee was appointed with a view to deleting unnecessary sizes. Mr. Branson specially emphasised the importance of perfect annealing of scientific glassware, and gave an illustration of the method employed glassware, and gave an illustration of the method employed to determine the correct temperature and the method of securing the best result. Pointing to the progress made in home production, he observed that several manufacturers who had entered the industry since the outbreak of war were now producing on a large scale, the output of one firm, from an improved formula, being about a million pieces per annum. In order to economise output the use of a quick and accurate method was urged for calibrating pipettes, burettes, etc., and an apparatus for this purpose pipettes, burettes, etc., and an apparatus for this purpose devised by Mr. S. English, M.Sc., of the Department of Glass Technology, Sheffield University, was demonstrated. It was also urged that greater advantage should be taken of the increased facilities of the National Physical Labora-tory, especially as the organised representatives of the industry were now working in co-operation with the institu-tion for the testing of graduated instruments.

CEYLON CITRONELLA OIL.—Citronella lands in Ceylon continue to be planted with rubber and other products, and the output of oil is falling. The exports in 1917 amounted to 1,399,991 lb., and prices fluctuated between 50c. and 75c. per lb.

CEYLON PAPAIN.—During 1917 238 cwt. papain was shipped from Ceylon. The report of the Department of Agriculture, Ceylon, for 1917 states that the production is remunerative, and a good product can be easily prepared. It was reported during the year that the market had been taking precautions against adulterations, as some Ceylon samples had been reported upon as being adulterated.

Westminster Wisdom.

By the "C. & D." Parliamentary Representative,

PARLIAMENTARY REPRESENTATION.

In reference to the suggestion which was made in our editorial columns last week in regard to the retirement of Mr. W. S. Glyn-Jones, M.P., from Parliamentary life, our Parliamentary correspondent is informed on the authority of the hon, member himself that he has no intention whatever of reconsidering his position.

MOND NICKEL COMPANY.

General Croft, on October 21, asked the President of the board of Trade whether permission was given by the Board of Trade to the Mond Nickel Co. to transfer certain shares to enemy subjects resident in Germany during the war; and, if so, who was responsible for granting such permission. Mr. Wardle, in reply, said that no shares in the Mond Nickel Co., Ltd., have been transferred to enemy subjects resident in Germany during the war.

EXPORTATION OF SALT.

Mr. Wardle stated in the House of Commons, on October 21, that the exportation of salt to all destinations has ber 21, that the exportation of salt to all destinations has been prohibited except under licence, in view of the possibility that the coal supplied to saltworks may have to be reduced substantially, and that the output of salt may be reduced correspondingly. In view of this situation it has been felt necessary to control exportation in order to secure the maintenance of adequate supplies for domestic consumption and in order to ensure that our Dominions and Colonies shall secure a preferential share of the reduced quantities available for export. There is no intention of stopping the exportation of salt, but only of restricting it to some extent and of regulating its flow.

OPIUM TRADE IN CHINA.

Mr. Stewart, on October 17, asked the Secretary of State for Foreign Affairs whether the stipulations of our agree-ment with China in regard to the cessation of the opium trade are being carried out by the Chinese Government; and whether there has been any increase in the local pro-duction of opium in China since the Indian import has ceased.

Lord R. Cecil, in reply, said the last six Provinces remaining open to the introduction of Indian opium under the 1911 agreement were examined in August 1917, and reported free from opium-cultivation. The 1911 agreement reported free from opium-cultivation. The 1911 agreement terminated on December 31, 1917. The Government has received no official information of any increase in the local production of opium in China since the termination of that agreement and the cessation of the Indian import.

Carbide of Calcium.

Mr. Neville, on October 17, asked the Minister of Munitions whether he is aware that the British company which manufactures carbide of calcium for the Government is unable to obtain payment from the Ministry of Munitions of accounts due in respect of supplies to the Government and capital expenditure on behalf of the Government; that the company has for many months past pressed the Ministry for payment without result; and that the Ministry, after settling the terms of a new contract with the company, has settling the terms of a new contract with the company, has called upon the company to act upon it, but refuses or neglects to complete the contract or to act upon it; whether he is aware of the dissatisfaction caused by the state of disorganisation existing within the Ministry and the consequent difficulty of conducting business; and whether he proposes to take any action in the matter.

Mr. Kellaway, in reply, said he could not agree that the statements accurately present the facts. The company referred to has received considerable financial assistance from the Ministry. On balance, the accounts show that the company owes the Government money. The company's accounts are settled as promptly as possible, and any delay has arisen mainly from difficulties raised by the company.

THE INSTITUTE OF HYGIENE has removed from its register the names of Austrian and German professors and scientists, and at a general meeting decided to elect women to its governing bodies.

THE SACCHARIN MUDDLE has evidently spread from Government Departments to the governed. A pharmacist has sent us what he justly describes as a curiosity—a slip of paner on which is plainly written, "I cwt. saccharine 2s." It is understood that the order will not be executed till the war is over. Another sub-criber informs us that saccharin tablets (uncontrolled) were being sold in a cooperative store in Scotland at 3s. per 1.000, instead of 3s. per 100, until someone wise above the average rectified the error. the error.

Insurance Act Dispensing.

A Record of matters concerning Chemists' interests in the National Health Insurance Acts.

Reports from Local Centres. ENGLAND.

Manchester.—A meeting of panel pharmacists was held at 65 Market Street on October 16. The President of the Manchester Pharmacists' Association (Mr. J. H. Nidd), Manchester.—A meeting of panel pharmacists was held at 65 Market Street on October 16. The President of the Manchester Pharmacists' Association (Mr. J. H. Nidd), who presided, in his opening remarks said the additional remuneration to the panel chemists for 1919 was not what the Pharmaceutical Committee in Manchester asked for, and he thought the panel chemists had been badly "let down" by the Local Associations Executive, who seemed to have shirked their obvious duty by asking for too little. Mr. F. W. Bates, J.P. (Chairman of the Pharmaceutical Committee), said the suggestion made by the L.A.E.—that if these terms were not acceptable to 50 per cent. of the panel chemists throughout the country, a Conference could be held to try and get a higher remuneration—was, in his opinion, absurd. The Executive should never have gone to the Commissioners at all if they did not intend to ask for that which the chemists of the country said they wanted. As their accredited representatives, he considered the Executive failed in their duties and deserved the censure of the whole of the panel chemists. We made a definite request for an increase of a penny, and they asked for half of that amount, and did not even get that. It was a blunder which, he thought, could not be corrected now, although they were still going to fight for that additional sum. (Applause.) Mr. A. Hershberg (Secretary of the Pharmaceutical Committee) said he felt very sore about the way they had been treated by the Local Associations Executive, who had deliberately asked for less than was considered by the majority of panel chemists throughout the country necessary to meet present-day expenses. The Commissioners majority of panel chemists throughout the country necessary to meet present-day expenses. The Commissioners had a balance of over 10,000%, in hand from the Insurance scheme in Manchester. What became of it, and why weren't chemists better paid for their services? They should fortheir services? should fight for more remuneration: they would lose nothing by it. The Chairman said if we got the extra 0.55d. that we were fighting for it would only represent about 3,000l. extra to Manchester chemists. He contended about 3,000% extra to Manchester chemists. He contended that medicines only cost a little over 1s, per head in Manchester, whereas 1s. 6d. was allowed (besides the floating sixpence which the doctors had got), and he argued we had a right to know where that money went. He agreed with all the previous speakers had said. During the discussion which ensued, Mr. Scholes, of Eccles (who was present by invitation), said he had just come from Preston, where the panel chemists were very dissatisfied with the Local Associations Executive, but had accepted the offered terms under protest. The Executive were greatly to blame for the unsatisfactory manner in which they had conducted the case for the panel chemists, and for now having given such short notice to the country to reconsider the matter the case for the panel chemists, and for now having given the case for the panel chemists, and for now having given such short notice to the country to reconsider the matter of accepting the terms for 1919. Mr. Simmonds, Salford, had a quarrel with the Local Associations Executive, who as their authorised representatives had practically clinched the matter with the Commissioners without giving them time to consider the terms offered. The Chairman then proposed the following resolution: "That this meeting of panel pharmacists, having considered the proposed terms for National Health Insurance dispensing for 1919, is of opinion that the added remuneration is totally inadequate, and urges the Local Associations Executive to use its utmost endeavour to procure the minimum increase of 1d. per prescription. This meeting also regrets that an opportunity was not afforded for considering the demand of 0.5d., which the Executive proposed to place before the National Health Insurance Commissioners, before the representations were actually made." This was seconded by Mr. Powell, and carried unanimously. Powell, and carried unanimously.

sheffield.—A Pharmaceutical Committee meeting was reld on October 15. Mr. Culverhouse presiding. The June shefield.—A Pharmaceutical Committee meeting was held on October 15, Mr. Culverhouse presiding. The June checking report was presented, and proved satisfactory. The Insurance Committee refuses to allow the payment for capsicum wool as not being included in the schedule of appliances (see C. & D., October 5, p. 37), but agrees to the adjustment of errors as revealed by the Central Checking Bureau when the amount is 1s. or over either for or against the chemist. The Committee considered the Tariff terms for 1919, and, while not satisfied with the remuneration, felt that the time is inopportune for fighting, so recommended the offer for acceptance to a meeting of panel chemists which followed the Committee-meeting, when, after considerable discussion, it was decided to accept the Commissioners' offer.

Associations' Winter Session.

Birmingham.—A meeting of the Council of the Birmingham Pharmaceutical Association was held on September 24, when eight names were deleted from the register and two new members were elected. Letters of condolence and sympathy were sent to the relatives of the late Mr. W. Izon and Mr. T. B. Cattell, deceased since the last meeting of Council. A minute was passed relieving from the payment of subscriptions those members and associates absent "on service." A subscription of five guineas was voted to the Pharmaceutical Society's Benevolont Fund.—The annual general meeting was held at the University on October 16, the President (Mr. H. Buckingham) in the chair. The report and statement of accounts was adopted and the Council elected. Discussion took place on the sale of clive oil and substitutes therefor, the Reorganisation Committee report, and the War Auxiliary Benevolent Fund, which subjects were remitted to the Council.

Bradford.—The members of the Bradford Pharmacists' Association, with a number of friends, had an enjoyable and rather novel social evening on Ootober 16 at the Vegetarian Restaurant, when there was a gathering of seventy persons. Music was provided by Miss Briggs, Miss Field, Miss Calvert, Mr. Appleyard, and the President (Mr. W. Sutcliffe), the accompanists being Mr. Arthur Flather (Clerk to the Bradford Insurance Committee) and Mrs. Sutcliffe. The President contributed a song of his own composition—a topical aliusion, in lighter vein, to well-known personages and doings in the craft, which aroused great enthusiasm. During the evening there were progressive table games of various kinds and guessing competitions, the subjects being well-known pictorial advertisements of proprietary articles of the chemist's shop, but with the names removed, and the identification of trees and plants from a medley of mixed letters. The prize-winners were: Ladies—Miss Field (1), Mrs. Pyecroft (2); gentlemen—Mr. C. Robinson (1), Mr. W. Wade (2). The affair was a great success in every way and did credit to the organisers—the President, the Hon. Secretary (Mr. A. T. Bailes), and Messrs. Faull and Pyecroft.

Brighton.—The annual meeting of the Brighton and

Brighton.—The annual meeting of the Brighton and Hove Association of Pharmacy was held on October 16, Councillor Yates (President) in the chair. It was agreed that the Insurance Commissioners' dispensing terms for 1919 should be accepted, being an improvement on those for 1918, although inadequate. All the officers were relected. Mr. L. M. Parry's letter was read, and an appeal made by the Secretary on behalf of the War Auxiliary Benevolent Fund. A letter from Mr. J. Simpson, managing director of the Lion Drug-stores, enclosed a cheque for 251. towards the Fund "as an appreciation of the work of the Pharmacoutical Committee, and the Secretary in particular, during the past year." Cripps & Son guaranteed 201., and with this good start a total of 1601. was promised by the members prosent, the announcement of this sum being greeted with applause. Mention was made in the annual roport of the leading part taken by the Association in the "Face Value" crusade, and a history of the negotiations involved when the Association invited Barclays, Ltd., to open a branch in Brighton was recounted. The nembers have supported this step with a good will and the firm, in undertaking extensive alterations and fitting up a magnificent showroom, have shown that they have confidence in the financial success of their enterprise.

Bury (Lanes). — The Bury Pharmacists' Association opened its winter session with a whist-drive and social evening in the Unionist Offices, Gardon Street. Mr. S. Heywood (President) and Mrs. Heywood were the host and hostess, Mrs. Heywood afterwards distributing the whist-prizes. Contributors to the programme were Miss N. Lomax, Mr. E. Waddington, Mr. R. W. Taylor, Mr. J. J. Browell, and Sergeant J. Stock, and Mr. H. J. Parker acted as M.C.

Dewsbury.—The monthly meeting of the Dewsbury Pharmacists' Association was held on October 23, the President (Mr. W. Blakeley, of Burstall) in the chair. A discussion took place relative to the supplying of Glaxo to the Public Health Departments in the Dewsbury district. It was stated that a large dray of Glaxo had been seen going to a Corporation depôt in the Dewsbury district with paper-bags. These bags were disposed of by the Corporation to people who, it was alleged, were well ablo to buy the commodity at the local chemists' shops at the usual price, and yet the Corporation were allowing such people to be served with Glaxo at little more than half the price they would have to pay for the article at the chemists' shops. The Secretary (Mr. G.

Heughan) was instructed to write to the makers of Glaxo protesting strongly against their supplying Public Health Departments as they have done hitherto.

Drug-store Proprietors.—The annual meeting of the Incorporated Society of Pharmacy and Drug-store Proprietors of Great Britain was held at Manchester on September 25. Mr. W. Huntrods (Leeds), the President, was in the chair, and delivered the annual address, reviewing the various activities of the Council during the year.

Leicester.—At the last Council-meeting of the Loicester and Leicestershire Pharmaceutical Association, a locum tenens was engaged for the winter and following summer. The terms, etc., will be posted to members shortly, and early bookings are advisable. The lady locum tenens appointed for last summer proved a great success, and a financial asset to the Association. Other Association Secretaries who would like particulars of the scheme should send a stamped addressed envelope to Mr. A. E. Young,

16 Gallowtree Gate, Leicester.

London Co.—A meeting of the London County Pharmaceutical Association was held on October 15. Mr. J. Keall (President) occupied the chair and welcomed Mr. A. T. Styles as a new member of the Executive, appointed to represent the East London Chemists' Association. Letters from the East London Chemists' Association and from Messrs. Boots re Elliman's Embrocation, from Mr. Wolff on Pharmaceutical Organisation, from the Face Value Committee submitting report and financial statement, and from the Early Closing Association were formally received. The report of the Pharmaceutical Insurance Sub-Committee was received and adopted. The Organisation and Trado Sub-Committee recommended that the subject for simultaneous discussion by District Associations during November should be "Drug and Chemical Shortage," and that an appeal for the War Auxiliary Benevolent Fund should be made at the annual meeting on October 31. The Committee was enthusiastic in support of the War Auxiliary Benevolent Fund, and recommended that every effort should be made throughout the county for the collection of subscriptions to the Fund and for conjoint action by the District Associations.

District Associations.

London (W.).—A meeting of the Western Pharmacists' Association was hold at 316 Regent Street, W., on October 23, the President (Mr. C. A. Noble) in the chair. Among the letters that had been received was one from the Devon Pharmaceutical Association, stating that the profits now allowed by Allen & Hanburys, Ltd., were on a reduced scale, and that the Association had requested that the old profits be restored. It was unanimously agreed to support the P.A.T.A. in the matter of the Elliman embroglio. A report from the London Pharmaceutical Committee stated that it was opposed to the suggested Committee stated that it was opposed to the suggested single-scrip forms for Insurance prescriptions. A complaint of the alleged alteration of a prescription by a chemist turned out to be unjustified, the alteration in question being proved to be the work of a patient. The maker of Overton's Foot Balm, which was said to contain maker of Overton's Foot Balm, which was said to contain a statutory poison, had been communicated with so that the preparation might be labelled "Poison" in future. The Committee had approached Howards & Sons, Ltd., with a view to the protection of certain of their branded goods. A letter was read from Mr. G. A. Tocher pointing out the present position with regard to clinical thermometers; the general opinion of the meeting was that stamping would probably be considerably in arrears at the outset. Mr. G. A. Mallinson, Superintendent of the Central Checking Bureau then opened a discussion on Print Tariff Terms for Bureau, then opened a discussion on Drug Tariff Terms for 1919. Premising that the terms secured were not universally approved, he defended the policy of the Local Associations Executive Committee on the grounds, chiefly, that the allowance for establishment-charges is now adequate, that the Commissioners are prepared to reconsider that the anowance for establishment-charges is now adequate, that the Commissioners are prepared to reconsider the 1916 Tariff after the war ends, and that the present is not an opportunc time to force a quarrel. A discussion ensued, in which the President and Mossrs. W. E. D. Shirtliff, J. D. Marshall, and W. Wilkinson took part. Replying to the points raised, Mr. Mallinson said that the majority of local Associations had accepted the new terms, and that pressure could be brought to bear on behalf of pharmacy in any Ministry of Health scheme. The momentary difficulty over bromides was likely to be solved almost immediately. A cordial vote of thanks was passed to the speaker. Eloquont addrosses on the War Auxiliary Benevolent Fund wore delivered by Mr. L. Moreton Parry, Chairman of the War Auxiliary Benevolent Fund Committee, and Mr. J. W. Deakin, member of the Council of the Pharmaceutical Society, both of whom stated concisely the objects of the Fund. After questions from several members, the sum of 130t, was promised, and a vote of thanks to Messrs, Parry and Deacon was carried.

Trade Report.

42 Cannon Street, E.C. 4, October 24, 3 p.m.

As the prospects of an early peace are rapidly disappearing and the war shows signs of continuing for a considerable period, business is chiefly confined to covering urgent able period, business is chiefly confined to covering urgent requirements only. Speculative activity has subsided in products like menthol, mint oil, Japanese camphor, and eucalyptus oil; and as prices have reached a high level it is not surprising that a temporary lull has taken place, with buyers reserved. The prevailing epidemic, which is assuming the nature of a plague, has led to a strong demand for aspirin, phenazone, and quinine, all of which are higher. The Government action in regard to fixing quinine prices will, however, put an end to the recent penalising of buyers by a few holders. Otherwise, the changes include an advance in gallie and pyrogallic acids; citric acid is also higher; cocaine is easier owing to the lowering in the Dutch exchange; hexamine is rather cheaper; phenacetin is still on the easy side; potash carbonate is lower; salicylic acid is the turn harder, soda salicylate being unchanged. unchanged.

Higher	Firmer	Easier °	Lower
Aspirin Cassia fistula Cassia oil Cinnamon-leaf oil Ergot Gallic acid Honey Phenazone Pyrogallic acid Terpineol	Citric acid	Agar-agar Anise oil, star Camphor (Jap. ref. slabs) Cocaine hyd. Coumarin Ipecacuanha Kola Menthol Pepper	Cloves Coriander- seed Gambier Ginger (Jap.) Hexamine Isinglass Pimento Potash carbonate Sarsaparilla (native and grey Jam.)

Cablegram.

New York, October 23.—Business is active. Opium has advanced to \$22.50 per lb. Canada balsam is dearer at \$6.50 per Amer. gal. Codeine alkaloid has advanced to \$10.75 per oz., and codeine sulphate to \$8.60. Benzoic acid and sodium benzoate are dearer at \$3.15 per lb. Mexican sarsaparilla is lower at 50c. per lb.

Control of Quinine.

The Secretary of the War Office announces that dealings in quinine will shortly be regulated by the Army Council under the Defence of the Realm Regulations, and that a schedule of fixed prices will be issued to apply to all sales made after the date of the Order, which will be published in due course.

"Our Day" in Mincing Lane.

As we close for press a Red Cross auction for the benefit of "Our Day" Fund is in progress at the London Commercial Sale Rooms. The auction has been organised by Mr. B. N. Strugo and Mr. F. E. Annison (F. W. Bowyer & Bartleet), and the catalogue includes a varied assortment of drugs and chemicals, muscatels, silver and electro-plated goods, cigarettes, marmalade, original prints, and numerous other items contributed by the chemical and drug trades. Judging by the enthusiasm shown, it is anticipated that a handsome sum will be handed to the Red Cross.

ACETANILIDE.—In view of the present epidemic of "flu," the demand is improving; price is unchanged at from 6s. to 6s. 3d. per lb.

ANISE is quoted 80s. per cwt. for ordinary Russian.
ANISE OIL (STAR) is quiet, with "Red Ship" brand offering at 6s. 5d. per lb. on the spot and at 6s. 3d. c.i.f. to arrive.

Antimony.—The trend of war events would appear to have exerted no influence whatever on the market across the Atlantic, which is attributed to the fact that the demand for war use has been on the increase, whereby the unsold sor war use has been on the increase, whereby the unsold stocks have been further reduced. In the circumstances, Chinese and Japanese houses have become more reductant sellers, while terms for forward shipments are at some premium over spot value. Foreign spot regulus here has sold at between 74t. and 77t., prices being erratic. Spot crude is apparently unobtainable, being nominally 65t. to 70t., while forward shipment is tentatively called 58t. c.i.f., the lack of shipping facilities and licences holding. the lack of shipping facilities and licences holding up business to this side.

AGAR-AGAR is quiet and the turn easier, No. 1 Kobe strip offering on the spot at 3s. 6d. per lb. A lot of 25 bales fair Japanese strip at auction sold chiefly at from 3s. 2d. to 3s. 3d. per lb. without reserve. The exports from Japan during July 1918 amounted to 127,779 kin, valued at 166,377 yen. During the seven months ended July 31 they were as follows:

		1916	1917	1918
Kin		2,368,237	1,620,509	2,274,888
Yen	•••	2,069,764	1,482,112	2,490,832

The destinations were as follows:

	1916	1917	1918
To	Kin	Kin	Kin
China	389,280	606,753	134,422
Hong-Kong	276,959	242,835	112,690
Straits Settlements	108,681	88,897	49,581
Dutch Indies	369,615	165,131	217,874
Asiatic Russia	146,269	877	181
Great Britain	266,230	72,020	1,556,644
France	233,421	88,259	_
United States	412,869	215,160	89,926
Other countries	164,913	140,577	113,570
	2,368,237	1,620,509	2,274,888

ARSENIC.—The market seems the turn harder, but business ARSENIC.—The market seems the turn harder, but business remains very quiet. Quotations vary between about 961. and 1001 for best Cornish powder, offers not being pressed, although the supplies would seem more than sufficient to meet all requirements. The outlook is very uncertain, while the progress of the demand will doubtless be largely influenced by further war developments. Only limited influenced by further war developments. Only limited quantities are being shipped from Japan, freightage being

quantities are being shipped from Japan, freightage being the chief difficulty.

Aspirin.—There is a good demand, and with continued scarcity the market is still rising, with sales up to 17s. per lb., but at the close 17s. 6d. to 18s. represents current values. The English makers' output is absorbed as fast as it is produced, and there are practically no imports to relieve the situation.

Brygong Acup remains scarce, with a limited quantity

BENZOIC ACID remains scarce, with a limited quantity

available at 23s. 6d.

BISMUTH SALTS—A few lots of subgallate and salicylate are obtainable from second-hands at below makers' prices,

are obtainable from second-hands at below makers' prices, the latter salt offering at 14s. per lb.

Browners.—There seems to be little call for bromides during the past fortnight, so that it looks as if the wholesale trade is fairly well supplied. Photographic requirements are also covered. Second-hands quote potash at 5s. to 8s. 6d., ammonium at 7s., and sodium at 5s. to 5s. 6d.

Calculum Chloride in casks on the spot is offered at 12l.

per ton. CAMPHOR (REFINED) is quiet, with Japanese 2½-lb. slabs offering at 6s. 4½d. per lb. on the spot, and ½-oz, tablets at 7s. 6d. English refiners find it difficult to cope with their orders, and the stringency with them remains acute. The exports from Japan during July 1918 amounted to 114,864 kin, valued at 261,652 yen. During the seven months ended July 31, 1918, the shipments were as follows:

Kin Yen	1916 3,715,361 2,978,749	1917 2,005,030 3,409,110	1918 1,273,397 2,568,356
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The destinations were as follows:

1916	1917	1918
Kin	Kin	Kin
892,535	562,896	294,887
770 015	283	_
014 400	46,583	321,171
000 850	66,618	23,965
007 000	1.210.514	431,079
E7 E00		71,826
	81,329	130,469
3,175,361	2,005,030	1,273,397
	Kin 892,535 336,215 614,490 262,750 921,620 51,506 96,245	Kin Kin Kin 892,535 562,896 336,215 283 614,490 46,583 262,750 66,618 921,620 1,210,514 51,506 36,807 96,245 81,329

CANARY-SEED is quiet at 345s. to 360s, per quarter for fair to good Morocco.

CARAWAY-SEED.—New crop Tunis has just arrived, and shows good quality. There is only a small quantity offering

at 235s. per cwt.

Cassia Oil.—Retail sales of 80 to 85 per cent. c.a. have been made up to 8s. 10d., the principal holders asking 9s.

CHAMOMILES.—New crop French offer at 320s. per cwt. on the spot. In the drug-auction 186 bags Spanish were limited at 150s., at which private sales have been made.

CHLORAL HYDRATE has an easy undertone at 12s. 6d. per 1b.

net in bond.

CINCHONA.-No bark has arrived at Amsterdam since May last. The first-hand stock at Amsterdam consists of 837

bales, which have not yet been released by the N.O.T., and no tenders or auctions have therefore been held.

CITRIC ACID is a strong market at from 4s. 101d. to 5s. per lb. on the spot. It is reported that an Italian export duty is contemplated. In the drug-auction 20 kegs crystals were limited at 4s. 9d.

CLOVES are lower, with sellers of fair Zanzibar on the spot at 2s. 7d. per lb.

COMME.—The Dutch exchange is lower, and that enables makers of hydrochloride to ease prices a little, 52s. 6d. per oz. being quoted; there is a good demand.

COCOA-BUTTER.—The fixed price of English is 1s. 6d. per lb.

CORIANDER-SEED is slow of sale, and must be quoted lower. A large quantity of East Indian has been sold at 45s. per cwt. Old crop Morocco can be bought at 52s., and new crop at 62s. 6d. per cwt.

COUMARIN and other similar synthetic products are likely to be cheaper at the close of the war; this week 152s. 6d.

CUMIN-SEED is unchanged at 55s. to 60s. per cwt. for fair to good sifted Morocco.

DILL-SEED is steady at 62s. to 64s. per cwt. for ordinary to good clean East Indian.

EUCALYPTUS OIL.—At the moment there is no speculative activity, and the prices range from 3s. 6d. to 4s. 6d. per lb., as to seller and test. There is likely to be a good consumptive demand this winter, as medical men are freely recommending it as a preventive of colds. Some good-sized quantities have arrived from Australia this week.

FARINA is quiet, with No. 1 Japanese offering at 85s. to 86s. per cwt. on the spot, October-December shipment at 83s., and November-January shipment at 83s. c.i.f. Sweetpotato flour is offered at 81s. c.i.f.

FENNEL-SEED is slow of sale at 55s. per cwt. for East Indian.

FENUGREEK-SEED.—A good business has been done at 46s. to 43s. 6d. per cwt. for new crop Morocco, closing steady.

GALLIC ACID is dearer, the high cost of galls having led to an advance to 7s. per lb.

GINGER.—Japanese is cheaper owing to arrivals, with sellers at 130s. per owt. on the spot and at 120s. c.i.f. afloat. A small business has been done in Sierra Leone ginger at from 135s. to 137s. 6d. per cwt. on the spot, and for Jamaica from 165s. to 180s. is quoted for middling to good. Washed Cochin is 170s. and Calicut 160s. on the spot. spot.

HEXAMINE is cheaper in certain quarters, and from 7s. to 7s. 3d. is quoted and paid. Demand is good both for home and export. We understand that further—import licences have been granted this week.

INSECT-FLOWERS are scarce on the spot, with Japanese offering at 190s. per cwt.

LEMON OIL is unaltered, with good brands offering at

58. 3d. on the spot.

Lemongrass Oil.—Sales of Cochin have been made at

from 7d. to $7\frac{1}{2}d$. per oz. on the spot.

LYCOPODIUM is quoted at from 6s. to 6s. 6d. per lb. on

the spot, according to quantity.

MENTHOL has been quiet, with small spot sales of Kobayashi-Suzuki at 20s. 9d. to 20s. 6d., with further sellers at 20s. 6d. In the drug-auction 22 cases Suzuki (in prize) at 20s. 6a. In the drug-auction 22 cases Statut (in prize) were bought in at 20s., the broker intimating he would take less, and 25 cases Yazawa (in prize) were bought in at 19s. 6d. The exports from Japan during July 1918 amounted to 24,396 kin, valued at 158,569 yen, and during the seven months ended July 31, 1918, they were as follows:

	1916	1917	1918
Kin	 243,908	161,211	186,011
Yen	 1.557.570	1.037.477	1.136.451

The destinations were as follows:

m		1916	1917	1918
To		Kin	Kin	Kin
British India	•••	8,380	6,089	11,543
Great Britain	•••	96,528	17,241	103,739
France	•••	55,352	2,722	675
United States	•••	73,690	123,985	57,071
Other countries	***	9,958	11,174	12,893
•				
,		243,908	161.211	186.011

METHYL SALICYLATE is offered at from 6s. 6d. to 7s. per lb. on the spot, as to seller.

MILK-SUGAR is unchanged on the spot at from 3s. 6d. to

4s. per lb., as to quantity.

MINT OIL continues quiet, with spot sellers of Japanese dementholised at 7s. 3d. per lb. for Kobayashi-Suzuki, and to arrive at 6s. 9d. c.i.f. In the drug-auction 13 oases

Suzuki and Yazawa (in prize) were bought in at 7s. 3d. per lb. The exports from Japan during July 1918 amounted to 13,844 kin, valued at 27,214 yen. During the seven months ended July 31 the exports were:

			1916	1917	1918
Kin	•••	•••	259,261	122,002	92,447
Yen	•••		595,246	275,158	188,885

OXALIC ACID of English make on the spot is offered at 1s. 5d. per lb.

PEPPER is quiet and rather lower, fair black Singapore offering at 1s. 9d., at which sales have been made; fair Tellicherry is offered at 1s. 11d., and Aleppy at 1s. 10½d. White is also easier, Muntok offering at 3s. 6d. and Singapore at 3s. $6\frac{1}{2}d$.

Peppermint Oil.—American tin oil continues scarce on the spot, but a consignment is now on the way; retail sales have been made at 30s. to 31s., and to arrive 27s. is quoted.

PHENACETIN is still on the easy side owing to the heavy stocks, and in view of the anticipated winter demand the present price of 17s. 6d. per lb. is regarded as reasonable.

PHENAZONE.—The bulk of the spot parcels have been cleared, and the consignments coming forward are mostly sold, so that we may expect to see high prices ruling for some time ahead; in fact, values are actually higher at from 52s. 6d. to 55s. per lb.

PIMENTO is lower, with spot sales of fair at 7d. per lb.

POTASH CARBONATE has been arriving freely from India and Japan, and it is also being produced in this country. Prices have declined to 1601. per ton for 90 per cent., and there is a reasonable prospect of it becoming appreciably

PYROGALLIC ACID is dearer, crystals being worth 16s. and resublimed 17s. 6d. per lb., with prospects of a further

QUININE.—A salutary check, and not before it was needed, has been given to the high prices by the dilatory intervention of the Government, who intend to fix values (see p. 48). Naturally, there has been a desire on the part of a few people who have stocks to unload. During the week from 6s. 6d. to 6s. 9d. net, and probably more has been paid for retail lots by needy buyers.

RESIN.—The scarcity here is pronounced, with no prospect of relief. The market across the Atlantic has constantly soared, but it is suspected that the big decrease in production has by this time been well discounted, yet dealers maintain firm views and ignore the possibility of the price

being fixed.

SACCHARIN meets with a small demand, and the large consumers appear to be fully stocked at the moment. Further sales of American 550 pure have been made at 250s. per lb. net, duty unpaid.

SALICYLATES .- The tendency of some English makers of salicylic acid, while the peace talk was on, to contract for forward delivery at a reduced price has now ceased, and the market in consequence has hardened, 4s. 6d. being the price of B.P. quality. Soda salicylate is unchanged at 5s. 9d. to 6s.

SASSAFRAS OIL is unobtainable on the spot, the nominal

price being 20s. per lb.

SPARTEINE SULPHATE is unobtainable in the open market, and likely to be until after the war. The evacuation of the Hun from the North of France will again make supplies of broom available to French makers.

SULPHONAL-Spot supplies are worth 110s., but there is very little available.

TARTARIC ACID remains very firm at from 33. 10d. to

3s. 11d. per lb. on the spot.

TURPENTINE.-With the market here under control and TURPENTINE.—With the market here under control and the stocks continuously drawn upon in the absence of any notable arrivals from America, the position is not really affected by the recent renewed rather sharp oscillations in American prices, which, after rising to fully 66 cents, have reacted considerably in spite of all the arguments bearing on the much higher cost of production. Domestic consumers are not easy to reconcile to abnormally high prices. The fixed maximum prices here is 105s. per cwt., and applications from users are closely scrutinised. from users are closely scrutinised.

ZINC PRODUCTS .- Firmness continues to prevail here, the demand continuing rather ahead of the supply. Australian zinc dust commands the full price of 108% c.i.f. for high-grade with hardly anything available on the spot. Tentagrade, with hardly anything available on the spot. Teniative offers are cabled from Japan at 108l. to 110l. c.i.f., but no reliance can be placed on shipping. Zinc ashes are variously quoted from 23l. up to 28l. delivered f.o.r. at works. Zinc oxide remains scarce, home makers being nominal, while foreign material ranges from about 75l. for low-grade up to about 10ll per ton ay wharf London low-grade up to about 100%. per ton, ex wharf London.

London Drug-auctions.

Commercial Sale Rooms,

Mincing Lane, E.C., October 24. LATTLE interest was shown at the drug-auctions to-day owing to the fact that few export licences are being granted, while the home trade bought but little. No Cape aloes offered, but they are not wanted as they cannot be exported. Sumatra benzoin sells at full rates. Calumba is neglected, and a substantial concession would have to be made to permit business, as further arrivals have taken place. Cassia fistula, being scarce, sold at a considerable advance. Spanish ergot is dearer and still soarce. Gamboge is held for previous high rates, but no sales were made. Honey is very scarce, and a further advance was paid for the few lots offered. Stocks of ipecacuanha are accumulating, and prices are lower, especially for slightly damaged and mouldy qualities. Kola was about steady. Menthol (in price) attracted to integer and for Adam warsh follower. prize) attracted no interest, and for Aden myrrh fully previous rates were paid. Nux vomica met with no demand. Rhubarb quiet. Native Jamaica sarsaparilla inundated the market, and, although a slight concession was made, there were no buyers; grey Jamaica was 2d. to 5d. lower, and Lima neglected. Tinnevelly senna was fully steady, and for beeswax there was practically no demand.

Offered Sold	Offered Sold
Agar-agar 25 25	Ichthyol (Jap.) 5 (
Aloes-	Ipecacuanha—
Zanzibar, etc 5 0	Cartagena 3 0
Ammoniacum 1 0	Matto Grosso 36 8
Anise (Sp.) 80 0	Minas 4 4
Anise, star (Ch.) 53 0	Juniper berries 12 0
Annatto-seed 70 0	Kola 34 34
	TI II ITT TI
Benzoin— 24 U	
Calumba 133 0	Mint oil (Jap.) 10 0
Cannab. ind. (African) 27 0	Myrrh 26 4
Do. (Amer.) 10 0	Nux vomica 540 0
Do. (E. I.) 4 0	Orange-peel 4 0
Cantharides (Ch.) 36 0	Rhubarb (cs.) 57 6
Cardamoms 68 0	Do. Rhap. (bgs.) 20 0
Cascara sag 35 0	Sarsaparilla-
Cassia fistula 8 8	C T
Chamomiles (Span.) 186 0	Honduras 6 6
Cinchona 26 0	T. T. 1 MG
Cinnamon-leaf oil 1313	
G:: : ::	Native Jam 86 1
Colobianos	Scammony resin 64 0
6.1	Senna and pods-
Classic 3	Alex 25 25
	Tinnevelly 468 0
	Squill 111 0
Cumin-seed 157 0	CI.
Digitalis-leaves 13 0	a
Dili-seed 30 0	m 00 0
Dragon's-blood 41 0	
Ergot 19 12	
Euphorbia pil 15 0	Tragacanth 4 0
Fennel-seed 60 0	Turmeric 100 0
Fenugreek-seed 40 0	Wax (bees')-
Galbanum 1 0	Abyssinian 200 0
Gamboge 16 0	East African 205 0
Gentian 70 0	East Indian 256 0
Gum acacia 289 48	Egyptian 111 0
TT1 01 0	
Hendane 21 U	3.5
Californian 15 15	
T	
Jamaica 59 59	Do. leaves (bls.) 10 0

ALOES.—Only five kegs black Mocha offered, for which 40s. per cwt. was wanted.

Benzoin.—Sumatra sold at full rates, 42 cases good thirds realising 9l. 15s. to 9l. 17s. 6d. per cwt.; ordinary to fair almondy seconds were limited at from 10l. 17s. 6d. to 12l.

CALUMBA met with no demand, 133 packages being bought in at nominal rates, actual prices at which business would be done not transpiring.

CASCARA SAGRADA.—A lot of 35 bags fair were retired at 225s. per cwt.

Cassia Fistula was from 32s, 6d. to 35s, per cwt. dearer, eight bags of ordinary part wormy and very rattly Dominican pod selling at from 157s, 6d. to 160s, per cwt.

Cinnamon-leaf Oil was dearer, 13 cases fair Ceylon (76 per cent. phenols) selling at 1s. 2d. per oz.

Colchioum-root.—Two bags were limited at 5s. 6d. per lb.

COLOGYNTH is very scarce; two bales of fair small to medium apple were retired at 2s. 6d., and for two bales of slightly damaged pulp without reserve no offers were

ERGOT is dearer, 12 bags of greyish Spanish selling at from 5s. 5d. to 5s. 6d., and for seven bags good sound 6s. 6d. was wanted.

GUM ACACIA.—Twenty bags of badly sea-damaged block sold at 20s. per cwt. without reserve for account of whom it may concern; 124 bags ordinary Ghatti were held at 75s., at which private sales are being made; and for 117 bags fair glassy amber hard Sudan sorts 80s. per cwt. was wanted.

HONEY.—The Ministry of Food informs us that it is not roposed to ration honey at present. The few supplies proposed to ration honey at present. The few supplies offered in auction were actively competed for, and realised a further advance; 59 barrels Jamaica sold at from 241s. to 251s. for good—palish to pale setting; medium brown liquid also went at 250s. to 251s., and dark liquid at 238s.; 20 oases Demerara sold at 245s. for very dark liquid, and 15 cases Californian at 239s. for amber setting.

IPÉCACUANHA is cheaper. Two bales of good bright sound natural Matto Grosso root sold at 10s. 6d., and six bales of fair, part mouldy, sold cheaply at from 8s. 10d. to 9s. 2d., a bale of good stout slightly sea-damaged realising 10s. 1d. For three bags of Cartagena a bid of 9s. 6d. is to be submitted to the covery and for four bales. Mines 10s. root for the submitted to the covery and for four bales. Mines 10s. root for four bales. mitted to the owner, and for four bales Minas 10s. was wanted.

KOLA sold at rather easier rates, 34 bags West Indian being disposed of, including good bright halves and whole at $8\frac{1}{2}d$. to $8\frac{3}{4}d$., fair, part mouldy, at $7\frac{3}{4}d$. to 8d., small and part mouldy at 6d. to $7\frac{1}{4}d$. per lb.

MYRRH was fully steady, two bales of fair Aden sorts selling at 201. per cwt., and for two bales of dark, slightly blocky Adea sorts 181. was paid.

RHUBARB.—Quiet. In auction a case of small round and trimming Shensi, with three-quarter good pinky fracture, sold at 2s. 6d. per lb., subject to approval. Nine cases had been sold privately, including medium to bold flat Canton, with three-quarter fair fracture, at 2s. 6d. Medium to bold round Canton, with three-quarter good pinky fracture, was held at 3s. 6d.; 20 bags Rhapontica sort were retired at 11d.; privately sales have been made at $10\frac{1}{2}d$.

SARSAPARILLA. — Market was inundated with native Jamaica, 86 bales being offered, consequently there were no buyers; 3s. per lb. would probably buy good red. A bale of inferior yellow sea-damaged sold at 2s. Grey Jamaica was 2d. to 6d. lower, 25 bales selling at 5s. to 5s. 2d. for fair to good fibrous, and slightly sea-damaged at 4s. 11d. Honduras was held at 6s. 6d., and 39 bales Lima at 5s. per lb. Lima at 5s. per lb.

SENNA was fully steady, about 50 bales Tinnevelly selling at from $3\frac{1}{2}d$. to 4d. per lb. for ordinary small to middling greenish leaf; slightly damaged pods sold at $3\frac{1}{4}d$., fair to good sound being limited at 4d. to $4\frac{1}{4}d$. per lb.

Wax, Bees'.—Very quiet; a single case of fair Jamaica sold at 14l. per cwt., and good pale brown Mozambique block was obtainable at 9l. 12s. 6d., but there were no buyers.

Arrivals of Chemicals, Drugs, etc.

The following arrivals have taken place at the Ports of London and Liverpool:

To London (October 12 to 18). Bronze powder, 12 cs. Chemical products, ctc., unrated, 7 cs. 1 ck. Iodine, 387 pkgs. Potash, undescribed,

otash, ... 10 brls. tash carbonate, Potash

820 cks. Pyrogallic acid, 2 cs. Saltpetre, 7,576 cwt. hyposulph., 1 Soda ton

Dental goods, 1,0891. Drugs, etc., unrated, 461l.; roots, 2 cs. Camphor, 50 cs. Chaulmoogra oil, 10

cs. Nux vomica, 960 Nux vomica, 1,149 pockets pkgs.

Quinine, 25,000 ozs. Sarsaparilla, 26 bls. Senna, 12 bls. Turmeric, 196 bgs.

Dyestuffs, dyeing and tanning materials, etc., unrated, 51 cs.; carmine of cochineal, 1 cs.; myrobalans 79 539 pockets; my carmine of coordinates of the coordinates of coordi 140 tons

Glycerin, crude, 1,4721. Loofahs, 601.
Perfumery, unrated (mostly raw materials), 1,7741.; toilet-powder, 5131.
Plumbago, 821 bgs.
637 brls.

657 Dris.
Soap, toilet, 3,069.
Starches(cwt.):dextrin,
470; farina (potato
starch), 6,732
Wax, bees', 16 bgs. 26
chts., 30 cs.
Way paraffin, 1,500 Wax, paraffin, 1,500 cwt.

Wax, vegetable, 300 cs. Zinc oxide, 330 brls.

To Liverpool (October 14 to 19). Bronze powder, 21 cs. Chemicals, etc.: Argol, 227 bgs. Arsenic powder, 152 Bromides: potash, 25 cs. Cream of tartar, 52

cks. Iodine, 30 cs.
Drugs, etc., unrated,
botanic drugs, 109 bgs.; med. herbs and pills, 6 pkgs. nnatto-seed, 407

Annatto-seed,

pkgs.

Cassia-bark, 20 bgs Galls, 25 cs. Insect-flowers,11 bls. Menthol, 30 cs. Papain, 32 cs. Sarsaparilla, 42 bls. Vanilla, 6 cs. Yohimbine-bark, 146

bdls. Dyestuffs, dyeing and yestuns, tanning materials etc.: acorns, dried 12 bgs.; chestnut ext., 2,201 cks. fustic-wood, myrobalans, tons; m 5,308 bgs.

Fullers' earth, 5 bls. Loofahs, 65 bls. Plumbago, 255 cks. Sponge, 280 bls. Starches (bags),

farina(potatostarch) 5,942; mandioca 1,631; mandioc chips, 73; rice, 56 wheat, 230 bgs.

Talc, 1,848 bls. Wax, paraffin, 810 bgs. 800 brls.; scale, scale,

1,225 brls. Wax, unrated, 7 brls Wax, vegetable, 241 cs Zinc oxide, 10 cs.; zin dust, 300 cs.



Education in the Trenches.

SIR,—The points raised in your Editorial article (C. & D. October 12, p. 43) regarding the training of pharmaceutical students with the Expeditionary Forces, are very sound. It would appear to be quite a workable proposition down at the base or on the lines of communication, but in the faeld, where a unit moves every few days, or even weeks, it is difficult to see how a continuous training in chemistry, pharmacy, materia medica, etc. can be satisfactorily under pharmacy, materia medica, etc., can be satisfactorily undertaken. Quite apart from the instituting of educational centres, it may be found difficult to liberate the men in many medical units where the staff is already far too small to cope with the work. The cessation of hostilities will, of course, facilitate the working of the scheme for those men who are not immediately discharged.—Yours faithfully, France.

LIEUTENANT R.A.M.C. (207/45.)

How Advertising Helps.

SIR,—Mr. S. W. Woolley in his paper on "Advertising the Business of a Chemist and a Druggist" (C. & D., October 12, p. 45) estimates that a chemist in an average business has in stock about 10,000 articles. It will be admitted that some of these articles have a quicker sale than others. The reason is that they are in greater and more active demand because their merits, or the purposes they serve, are more widely known to the general public. Generally speaking, such knowledge is spread by advertising in one form or another. The chemist who specialises in these articles has a liquid stock which turns over rapidly, with a proportionate reduction of sales expense. If in these articles has a liquid stock which turns over rapidly, with a proportionate reduction of sales expense. If "Mortar" honestly thinks this is make-believe, then he would not stock or sell proprietary articles, but would concentrate his salesmanship and reserve his capital insected in stock in non-advertised goods. I suggest "Mortar" should look over his stock and count the number of advertised proprietary articles he stocks and sells. If he has an effective stock system that tells him what stock moves and what hangs back, it will doubtless prove him that the "make-believe" frame of mind to which he refers belongs to him and to pharmacists who hold similar of him that the "make-believe" frame of mind to which he refers belongs to him and to pharmacists who hold similar views rather than proprietors. There appears to be a general misconception of the function of Press advertising it does not actually sell goods so much as it prepares a mental attitude for the ready acceptance of the goods. The actual sale cannot result without a positive act of alesmanship on the part of the salesman. It follows that, if a member of the general public is predisposed to accept f a member of the general public is predisposed to accept un article offered for sale, then the sale of the article is accilitated by such mental attitude; and by virtue of this act articles are sold quicker and at less cost than other articles in connection with which this consumer acceptance as not been developed.

Yours faithfully,

155/7 Great Portland Street, London, W.

SIR,—One wonders whether "Mortar," in making his beervations on co-operation between seller and advertiser. bservations on co-operation between seller and advertiser, peaks from experience, or whether he has never given the nethods of Mr. Nathan a chance. Two years ago I bought 'Glaxo' in quarter dozens. More often than not I was 'out of stock." I was busy pushing a food of my own, which gave 5½d. profit on a 1s. tin, and I sold, usually, bout a dozen to two dozen tins a month, so all seemed well with the trade in infants' foods. Then tupplies became nobtainable; we had to have a food to offer customers; and, after much thought, a 5d. order was given for "Glaxo." to came in, was put in the window, and "Glaxo" has never ince been absent from both counter and window. To-day buy never less than 10d. worth a month. This month I here is not a penny outlay, for the whole of it will be old before payment is due, and the only work in connection ith it is handing the tin over the counter and taking the old before payment is due, and the only work in connection ith it is handing the tin over the counter and taking the loney. No one wants paper—it "goes in the p'ram"! Iy supplies usually arrive (in the North of England) within we days of posting my order; the handy packages are unacked in a moment; the tins will store anywhere, and nake a good show. My turnover is 50% a week. If Mortar" oan suggest a single unadvertised line which ill yield me 6%, a month profit without onlay I shall be lad to present him with the first month's profits.

Yours faithfully,

PESTLE. (208/71.)

PESTLE. (208/71.)

Dearth of Assistants.

SIR,—It is not at all surprising that employers experience great difficulty in obtaining apprentices, assistants, and managers. The war conditions under which we are all compelled to live no doubt affect the temperament of most compelled to live no doubt affect the temperament of most of us, and the thousand-and-one vexatious incidents inseparable from the daily toil of most pharmacists must tend to aggravate their already hasty tempers. No employé should resent being reprimanded occasionally when at fault, but trying to perform your multitudinous duties in a retail pharmacy with shortage of staff and the "governor" howling at you unccasingly is surely more than human nature can endure, and until pharmacists treat their employés with greater respect there is every likelihood their employes with greater respect there is every likelihood that they will eventually make it an essential of all engagement contracts (as I noticed lately in a C. & D. advertisement) that there should be "no nagging." The public are earnestly requested to make due allowance for irregularities earnestly requested to make due anowance for integrating in business owing to war conditions, but what of the unfortunate assistants who are obliged to work a long day at high pressure in an atmosphere of sarcasm and reflections on their ability? The long-delayed advance in rate of at high pressure in an atmosphere of sarcasm and reflections on their ability? The long-delayed advance in rate of pay will be no inducement to me to apprentice my son to the pseudo-profession unless employers revert to the manners and true culture of the old apothecaries. I suggest that employers as well as employes should invariably submit depends ble references, when an engagement is being entered dependable references when an engagement is being entered Yours very truly, ONE WHO KNOWS. (22/10.)

The Question of Salary.

SIR,—"Jay Mack" is wonderful in regard to figures; one wonders how he does it. But he hits the spot. I am more concerned with the salary question. In every phase more concerned with the salary question. In every phase this ought to be permanently increased. The chemist makes more, and should be able to pay more. Prices, which are now higher than perhaps fifty years ago, are not likely to be lowered in this or the next generation. If this obtains in the case of the small pharmacy it ought to be much more so in the case of the big corporations. In these the main concern is the salary. The qualified man may be something of a personage when he is being engaged, but once in his branch safely tucked away any little official at the office and management can boss him. This is one of the considerations studied when engaging—or it should and will be. Just lately many hearts were cheered by an will be. Just lately many hearts were cheered by an announcement that liberal increments were to be given. They have, as might have been expected, not come up to hopeful anticipations. Even in this, the fifth year of the war, the total increases, put on mainly in the third and fourth years, do not amount to 33 per cent. And we know what it costs to live. Meanwhile trade has simply ramped along and profits have been engaged. what it costs to live. Meanwhile trade has simply ramped along, and profits have been enormous. Pharmacists since 1875 have been beaten with whips, and in the future they will (with another five hundred branches) be beaten with scorpions. But for this to happen qualified men must be forthcoming. Let them see to it that the pay is at the least double pre-war rates.

Yours, ctc.,

MIDLANDER. (19/10.)

Organisation in Pharmacy.

SIR,—As I continue to receive applications for copies of the September issue of "Square Topics," which deals with the question of "Organisation," and it may be necessary to reprint the issue, I shall be obliged if Secretarics of Associations and others who may desire copies will let me know by October 28 how many copies will meet their requirements.

Faithfully yours,

Hugo Wolff.

HUGO WOLFF.

180 Philip Lanc, Tottenham, London, N. 15.

Appreciations.

"The C. & D. is worth its cost many times over."-E. D.

"The C. & D. subscription represents the lowest expenditure for the highest return in the drug trade."—J. C.

"The standard of usefulness has been well maintained in this very stormy period. May it continue to be the same." -H. V. H. (52/4).

"Many thanks for your kind words towards an old friend who has read the C. & D. since his apprentice days, fifty years ago."—T. W. T. (256/31).

Spes (123/59) writes: "I have just been successful in passing the Minor and Lattribute my success in a great

Spes (123/59) writes: "I have just been successful in pasing the Minor, and I attribute my success in a great measure to the work I did in your 'Corner for Students.'"

"The C. & D. is one of the papers or books that are indispensable to me. Even in this critical time, when one is anxious to hear daily of the war, I find the C. & D. fill up the same week-end paper."—W. B. (61/6). Legal Queries.

Most difficulties in trade law are explained in the legal section of "The Chemist and Druggist Diary," 1917, beginning on

- C. A. S. (204/23).—Sale of Food and Drugs Acrs.—The recommendation of the Local Government Board is that calcium acid phosphate used in baking-powder should not contain more than 10 per cent. of calcium sulphate. This is the standard which would probably be taken by the public analyst, and you would have great difficulty in proving that the product was not adulterated if more than this amount of gypsum were present.
- U. D. C. (206/68).—SPIRIT-DUTY REBATE.—The rebate allowed to chemists is 16s. 9d. per gal., made up of 1s. 6d. gal. immature-spirit rebate and 15s. 3d. gal. the new duty imposed in the last Finance Act. You will, however, bear in mind that not every tincture is classed as medicinal by the Board of Customs and Excise. That is why careful note has to be kept of the preparations made with the spirit upon which the chemist is claiming rebate of duty.

H. W. (199/11).—SULPHUR LOZENGES.—The formula in the British Pharmacopeia, 1914, for troch, sulphuris is a presumptive standard under the Sale of Food and Drugs Acts. sumptive standard under the Sale of Food and Drugs Acts. It is therefore necessary clearly to indicate to the purchaser that the lozenges you sell are different in composition. We presume that you have omitted the sugar owing to the difficulty in obtaining it. The lozenges should be labelled "War Emergency Formula," and the customer's attention should be drawn to the fact that the lozenges are different in size but not in the strength of the active ingredients. in size, but not in the strength of the active ingredients.

Miscellaneous Inquiries.

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for and bow. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

Trees (196/21).—INSECT-INFECTED TREES.—You obtain (post free on request) from the Board of Agriculture and Fisheries, 3 St. James's Square, London, S.W. 1, copies of Leaflets 91 and 155, which deal with insect pests infecting pine-trees. The suggestions for treatment would probably apply in the case you have been consulted about.

C. R. A. (195/35).—SHOEMAKERS' HEELBALL.—The following are two formulas for this:

are two formulas for this.	TI.
I.	
Beeswax 8 oz.	Carnauba wax 6 lb.
Tallow 1 oz.	I dituitin ii an
Gum acacia 1 oz	
Lampblack 1 oz.	Ivory black, Lampblack of each 3 lb.
	Gum acacia, Sugar candy of each ½ lb.

Bodilan (183/67).—The specimen is apparently graphite, but not of high quality. It is not possible to state the commercial value without extended examination, and this we cannot undertake.

- J. E. J. (202/21).—SACCHARIN TABLETS.—The tablets made from British saccharin are known as full strength when they contain 0.3 grain of 550 saccharin and half-strength when containing 0.15 grain. The equivalent amount of 330 saccharin is ½ grain and ¼ grain. We deal with the method of estimating saccharin on p. 43.
- W. B. (61/6).—(1) SACCHARIN STRENGTH.—The quality of saccharin designated as "330" is relatively less sweet than that known as "550," these figures indicating approximately the number of times the saccharin is sweeter than sugar. See also reply to "J. E. J." (2) COMPOUND SYRUP OF FIGS.—The following is from "Pharmaceutical Formulas":

Willia 12 Hour The	or miner			
Ol. anisi			• • •	mxv.
Ol. carui			• • •	mxv.
Ext cascaræ sag.	Iiq.		• • •	∄į.
Ext. sennæ liq.	•••	•••	• • •	31].
Sodii bicarb.	• • •	• • •	•••	3SS.
Syrup		•••	• • •	žviij.
Alcohol	•••	• • •	• • •	3j.
Syr. sennæ		• • •	• • •	Jij.
Syr ficorum ad				žxviij.

To make plain syrup of figs, chop up 2 oz. of figs and boil in a pint of water until nearly half of the water is cvaporated. Strain off 10 oz. of the decoction, and in it dissolve 1 lb. of sugar.

- E. W. (182/7).—TAR is supposed to be distasteful to mice, and hence is used as a deterrent. This may not be suitable for use in or around the pipe organ unless birch tar is employed.
- S. B. B. (199/32).—Honey Sugar is invert sugar—i.e., sugar which has been changed (or inverted) by heating with dilute sulphuric acid. The sulphuric acid is removed by means of barium carbonate. Invert sugar is known as honey sugar because the sweetness is intensified on inversion and resembles that of honey. Some proprietary brands are on the market are on the market.
- T. W. T. (201/15).—BARIUM SULPHATE is not poisonous, because it is quite insoluble. For use internally, as in radiographic "meal," care must be taken that it is cuite free from soluble salts (e.g., carbonate), otherwise fatal results may be expected. Barium carbonate, being soluble in the stomach, is poisonous, and hence its use as a ratpositor.
- D. A. (186/17).—INK-ERADICATOR.—The two-fluid eradicator consists of (a) oxalic-acid solution, (b) a solution of chrorinated lime. These are applied successively. Sometimes oxalic-acid solution alone is sold for the purpose of removing ink-stains.

A. T. B. (199/70).—GOUT AND RHEUMATIC MIXTURE: Sodii salicyl. ... Potass. bicarb. Potass. iodidi 31SS. ... 355. 51j. Vin. colchici ... Tr. gentianæ co.

Newcastle (175/9).—CHOCOLATE.—See C. & D., October 5, p. 52. We have no formula for sugarless peppermint lozenges. You might experiment with starch sweetened with saccharin, but we do not think the result will be very secret. acceptable to the taste.

P. W A. (176/63).—(1) TREATMENT FOR TAPEWORM.—The remedies are: (a) *Kousso 3ss., made into a decoction, taken fasting with the dregs, and followed by an aperient; (b) oil of turpentine in 3ij. to 3ss. doses; (c) oil of malefern 3j. dose, given in the morning fasting, following a dose of castor oil the previous night. (2) FURNITURE-REVIVER.—The following is the type of your sample:

Linseed oil
Oil of turpentine ...
Butyr of antimony Hydrochloric acid Spirit ...

Quereus (141/26).—We cannot undertake to identify specimens of chemicals.

Retrospect of Fifty Years Ago. Reprinted from "The Chemist and Druggist," Oct. 15, 1868.

Pharmacist of the Future.

Pharmacist of the Future.

The pharmacist of the future will have to begin his apprenticeship in a very different position to that of the half-shopboy, half-ragamufin that only too many pharmacists have been obliged to put up with. A pharmaceutical apprentice should be a well educated lad, well versed in the ordinary requirements of an English education, especially in arithmetic, every rule of which he ought to have at his fingers' ends. It is a common complaint amongst pharmaceutical teachers and examiners that even men of five-and-twenty and thirty, who present themselves for instruction or examination, are utterly incapable of performing the most ordinary arithmetical operations. Latin is, of course, indispensable, but we are hardly of opinion that the pharmaceutical apprentice should have such an extended knowledge of that noble language as to enable him to read and enjoy such authors as Horace and Virgil. The time spent in the acquisition of such knowledge would surely be better applied in learning sufficient French and German to be able to read ordinary pharmacological works in both languages. We take it for granted that the natural tastes that would lead a boy of ordinary intelligence to choose pharmacy as a profession would also induce him to study chemistry, natural philosophy, and botany sufficiently to feel perfectly at home when he came to open his Pereira, his Attfield, or his British Pharmacopœia.

MENTAL INDIGESTION

By GEORGE HENRY.

I got into a railway carriage the other morning just in time to hear the commencement of one of those rip-snorting arguments that do so much to liven up an otherwise somnolent line.

The subject—well, I don't think one need draw the reader into it. It really doesn't matter. What concerned one at this time, and still concerns one now, was the

intellectual aspect of this warfare of words.

Brown started off with a long tirade. He spilled facts and figures that did not seem to me to bear mature consideration. He eloquently voiced some epigrammatic phrases that somehow seemed to have a ring of familiarity.

Jones responded in like manner, and, curiously enough, his alleged facts and figures, as also his epigrammatic phrases, also gave one the impression of being old familiar friends. The argument waxed fast and furious, now and again fading out to mere ineptitude as each man got out of

his depth. . . .

Afterwards, when I had time to think it all over, I came to the startling realisation that neither Brown nor Jones was voicing his own thoughts. Now I came to think of it, I remembered that Brown was carrying a copy of the "Daily Snort," while Jones was a reader of the "Morning Rumble." Little wonder that some of those epigrammatic slogans sounded well-worn. It also explained why the argument had occasionally degenerated in futile spluttering when the two men got into realms of thought which had not been explored for them by their favourite journalists.

I have coined a term for their mental state—" Mental

Indigestion."

There is a close analogy between the mind and the body in this respect: If you overload the stomach and neglect to take sufficient exercise, sooner or later you will find that the stomach does its work inefficiently. You feel torpid and "heavy," and quite a number of unpleasant symptoms are the final result. It is just the same with the mind.

Fill your mind with facts and neglect to exercise it and you will get mental indigestion. And then, like the chronic

dyspeptic, you fly for succour to artificial aid.

The dyspeptic pours stuff out of bottles into his stomach

-stuff that artificially digests his food for him.

The sufferer from "mental indigestion" gets ready-made intellectual digestion by letting somebody else form his opinions for him. His daily paper performs the same function as the dyspeptic's "dope."

Now, if there is one thing above all others that the experience of the last four years has taught us, it is the necessity for every individual to think for himself-to consider every aspect of every question, individual or national, and to form a mature, unbiased opinion upon it.

I venture to assert that if every man and woman of the nation formed his or her opinion on these lines, we should be within measurable distance of a real Utopia.

Further, if every man read one-quarter of the amount he usually reads and thoroughly digested that quarter, the individual and the nation would be the better for it.

Over and over again the nation has been stampeded into chaotic action merely by the constant repetition of some superficially ingenious parrot-cry which, if it had been the subject of careful reflection, would have received the contempt of indifference.

Right thinking means right action. I would like to see that sound, sane axiom blazoned in heavy type beneath the title of every newspaper, magazine and journal in the country as a reminder to all men that every individual is free to blaze his own trail in the vast empire of the mind.

As it is, mental indigestion is a very prevalent disorder. It does not confine itself to any one class—there's quite as much evidence of mental indigestion at Westminster as there is in Wigan.

But, thank goodness, every man is not so afflicted. Within the last three years a silent but overwhelming revolution of thought has been going on in our midst. There is a vast army of men and women in existence to-day who have learned the laws of thought, have realised the powers that were in them, have been taught that every individual is capable of efficient intellectual effort on his or her own behalf.

And saying this I have reached the point where this article is elevated to the dignity of advertisement; for these men and women are Pelmanists.

To me it seems that the greatest value of Pelmanism is in its ability to show all men how to throw off the intellectual torpidity and brain-sloth that comes of mental indigestion.

I know men who before Pelmanism came to them would have been utterly at a loss to express their opinions on any subject. They had never sufficiently considered a subject to form an opinion, and, consequently, lacked the confidence to try. Now, because they have been led to examine into their own thought-processes they find it a matter of ease to take any subject, separate and classify its components, or deduct an opinion from a set of circumstances. Instead of taking for granted all that they are told, they go about the world with eyes and ears alert, and, from their observations, they create ideas for themselves. And in this wise are they nearer the truth than the "mental dyspeptic" can ever hope to be.

I have just been privileged to read an essay on Pelmanism written by a well-known lady of title, who is a student of the system. She says:—" Next to absence of thought, slip-shod and confused thought is rampant among us. People take their opinions from newspapers, from rumour, from their neighbours, anywhere except from the informed recesses of their own minds. Pelmanism strikes at the root of two great national defects-mental sloth and fear of efficiency. It reveals to every student that he has in him the power to think for himself, to control and govern his

If this were all that Pelmanism did-and in point of fact it is but a tithe of the benefit that results from its study-if it were all, I repeat Pelmanism would yet be the greatest educational force—the most powerful influence for good-that this generation has seen.

The time is coming when, even more than in the present, right thinking will be a vital necessity if we are to rebuild a stately social order from the ruins that now confront us, and in that time the Pelmanists-now adding to their numbers by thousands every week-will play a great part in the great efforts which must be made to arrive at the fruition of great ideals.

OVER 400,000 MEN AND WOMEN

The Pelman Course has already been followed by over 400,000 men and women. It is directed through the post, and is easily followed by any man or women of average education. It involves no hard study. You can practise Pelman principles everywhere—in the trenches, in the office, in the train, in spare minutes during the day. And yet in quite a short time it has the effect of developing the mind, just as physical exercise develops the muscles, of increasing your personal efficiency, and thus doubling your all-round capacity and income-earning power.

"Mind and Memory" (in which the Pelman Course is fully described, with a Synopsis of the lessons) will be sent, gratis and post free, together with a full reprint of TRUTH'S famous Report on the Pelman System and a form entitling the readers of THE CHEMIST AND DRUGGIST to the complete Course for one-third less than the usual fee, on application to the Pelman Institute, 313, Pelman House, Bloomsbury Street, London, W.C. 1.

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Is situated in the immediate vicinity of one of the largest Meat Works in America, thus ensuring an abundant supply of fresh raw material at all times.

Armour Laboratory products are the result of the most recent scientific effort as applied to the preparation of animal substances.

In specifying Armour animal substances and preparations the Pharmacist is sure of the highest standard of excellence that scientific research can offer, and he thus safeguards the physician, the patient, and his own reputation.



Essence of Pepsin.

Elixir Lactated Pepsin

Each fluid oz. represents 80 gr. of Armour's Lactated Pepsin.

Elixir of Enzymes.

Beef Juice.

Rich in Albuminoid Principles.

Of Great Value in cases of
Extreme Exhaustion.

Peptonizing Tablets.

HEN we began to manufacture Pepsin it was our intention to supply the pharmaceutical world with the finest article of the kind, and we did it. Since then our efforts have been constantly directed toward improvement, and whenever research or experience has offered suggestions of value, we immediately applied them and gave our friends the benefit. To-day, Pepsin, in scale, granular and powdered form, sold under the Armour label, is preferred by Pharmacists because of its great proteolytic power, complete solubility and freedom from odour.

THE ARMOUR LABORATORY is devoted to the production of preparations of the endocrine glands and other organo-therapeutic agents.

Corpus Luteum, Thyroid, Pituitary (whole gland, anterior and posterior), Thymus, Suprarenal, Pineal, Parathyroid and such substances are made from fresh selected materials which are desiccated in vacuum dryers.

The therapeutic value of these substances unaltered is in the Armour Products.

Pituitary Liquid is physiologically standardised and is free from preservatives.

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ALKALI PRODUCTS.

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Bicarbonate

of

Soda.

This Bicarbonate answers all the requirements of the British Pharmacopæia. It is a pure, refined, and recrystallised salt, particularly free from metals or any base other than soda. This sodium bicarbonate is specially suitable for the preparation of granular effervescent preparations and salines, seidlitz powders and baking powders, and is well adapted for other medicinal and domestic purposes. It is the purest and cheapest sodium bicarbonate made.

Concentrated

Crystal

Soda.

This sodium compound (sodium sesquicarbonate) is a variety of carbonate of soda in small silky crystals, containing much less water than ordinary washing soda; 1 lb. of it does the work of 2 lbs. of washing soda. Concentrated crystal soda is excellently suited for chemists' trade; they can make a speciality of it, and it is also suited for making water-softeners, brush powders, hair-wash powders, and the like.

Pure Alkali.

58 Degrees.

A dry, white powder: dissolves quickly and easily in water, making an excellent detergent for use by printers, bleachers, dyers, and for bottle washing. Is nearly equal to 99 per cent. carbonate of soda; is much used by glass, paper, and soap makers. The best alkali for soap powders and washing powders.

Pure Soda Crystals Caustic Soda.

Manufactured from pure Carbonate of Soda, and supplied of all degrees of strength.

Bleaching Powder. Carbonate of Ammonia

(Lump and Powder).

Retailers can obtain these products through any Wholesale house by specifying Brunner, Mond & Co.'s "Crescent" Brand. The Manufacturers supply wholesale quantities only, and will quote on application to

BRUNNER, MOND & CO., LIMITED, NORTHWICH, CHESHIRE.

OCTOBER 26.1918

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Light and

Heavy.

Drugs B.P. U.S.P.

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ANAESTHETICS

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All preparations of the

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Pharmacy Supplied

DUNCAN, FLOCKHART & CO., Edinburgh and London

Sell a cake of Resinol Soap with every jar of Resinol.

If you try it, you will find it just as easy to make a sale of 3s. $10\frac{1}{2}d$. for the two as to get 2s. 9d. for the Ointment alone. In the treatment of Eczema, Pimples, and other skin troubles, the affected parts should be bathed with Resinol Soap and hot water before Resinol Ointment is applied. Resinol Soap is absolutely pure and non-irritating, and contains the same soothing, healing properties as Resinol Ointment. Tell your customers this and they will buy the soap too. Resinol Soap is also an ideal toilet soap, as the Resinol Balsams keep the skin clear and the hair healthy.

SEND FOR A MINIATURE RESINOL SHAVING STICK.

It's free. We want you to learn how this rich, creamy lather soothes and heals the face. When you have tried it you will' WANT to recommend it to every man who comes into your shop.

Resinol Chemical Company,

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ASPIRIN B.P.

(P. M. Brand).

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(P. M. Brand).

In 4-oz. and 1-lb. Boxes.

In 5-grain Tablets, packed in 25's, 50's and 100's.

In 5-grain Tablets, in bulk.
Boxes of 1,000.

Tins of 5,000, 10,000, etc.

SALICYLIC ACID B.P.

^

In Packages of 1 lb. and upwards. (P. M. Brand.)

DISCRIMINATING PHARMACISTS are invited to write direct for our lowest terms, stating their requirements, or place your order with your wholesaler, specifying our make. (Messrs. H. & T. KIRBY & CO., Ltd., Willesden Green, N.W. 2, carry stocks.)

The absolute purity of our products, and the consistent r liability, together with the right price, recommend our fine Chemicals to all who desire to enhance their reputation by using and selling only the best.

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NO ARMISTICE!

IN THE WAR WE ARE WAGING AGAINST FOREIGN COMPETITION.

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"This is a repeat order of your Sodium Salicylate which we shipped to the same customers. We came into competition with German Sodium Salicylate, and although your price was slightly higher, they have preferred your make to that of the Germans, and we feel very proud of this fact."

THIS IS THE RESULT OF OUR FIXED POLICY TO

DO ONE THING AT A TIME AND DO IT WELL.

SODIUM SALICYLATE

OF THE HIGHEST POSSIBLE PURITY AND IN SUFFICIENT QUANTITIES TO MEET ALL DEMANDS MADE AT

Telegrams: "CHEMICAL."

SOUTHALL, MIDDLESEX.

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Telephone 56.



A high-grade
Toilet Soap of
marked Antiseptic
properties.
Non-irritating.
Agreeably perfumed.
Lathers in hard water.
Assists the complexion.
Heals cuts & abrasions.
Invaluable in the
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TOILET SOAP in 2-tablet boxes.

SHAVING STICKS, each in a carton, packed half-dozen in a display case, with protecting sheath.

F. H. FAULDING & CO., 54 Ct. Tower St., London, E.C. Adelaide, Perlh, Sydney, Australia.

Stocked by all Patent Medicine Vendors and the Principal Stores.

LATTY'S CORN CURE

EXTENSIVELY ADVERTISED.
INCREASING SALES.
SELLING PRICE 1/3
20 PER CENT. PROFIT.

Write for Special Terms for October.

LATTY, Chemist, BRISTOL

Wholesale from Sangers, May, Roberts & Co. Ld., &c.

HEALO SKIN OINTMENT REGD.

Costs you 10/6 per doz., 1/3 size. With 4 dozen a bonus of 6 extra are sent free for Counter Display; with 6 dozen 12 free, and retails at P.A.T.A. minimum of 1/3—about 60% profit. Smart Counter Display Boxes, ample supply of Free Samples, Window Bills, and Showcards,

Write for particulars of Window Show to-day.

MAURICE SMITH & Co.

(Proprietors, Messrs. Cuxson, Gerrard & Co.)

Manufacturing Chemists and Food Specialists, KIDDERMINSTER.

LIQUID BARKOLA COMPOUND

Wholesale 26/- per doz., less 10 & 5%. Retail 2/9 each.

Each bottle (1 oz.) carries instructions to the chemist to make up to the following Standard Formula— Liq. Barkola Comp., 1 oz.; Tincture of Gentian (B.P.), 1 oz.; Inf. of Rhubarb, conc., 2 dr.; Tinct. of Ginger fort., 1 dr.; Aq. Chlorof., to 8 oz.

Chemists charge according to their own scale for dispensing

THE BARKOLA CO., LTD., 42 Great Dover St., LONDON, S.E. 1.

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	,;	Hydrarg	g. Amm	on. W.	E.F.	7 lb.	1/10	; 2	8 lb.	1/9	"
		"						; 2	8 lb.	2/2	,,
	,,	,,,	Oxid.	Flav. 1	P.B.	7 lb.	1/6	; 2	8 lb.	1/4	,,
	,,	Paraffin	Alb. P	.B.	•••	7 lb.	2/-	; 2	8 Ib.	1/10	,,
	,,	,,	Flav.	P.B.	•••	7 lb.	1/6	; 2	8 lb.	1/4	,,
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	_ 11		,,		,,	2 in.	22/10	1)
	"		,,	-	23	3 in.	33/9	"
	',,		,,		,,	4 in.	44/-	3)
	,,		55	G	.O.W.	1 in.	11/8	. 97
	,,		"		"	2 in.	21/9	22
	"		,,		23	3 in.	32/5	7)
	,,		,,		,,	4 in.	42/10	,,
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	,, . C	yanide	•••		"		15/-	23
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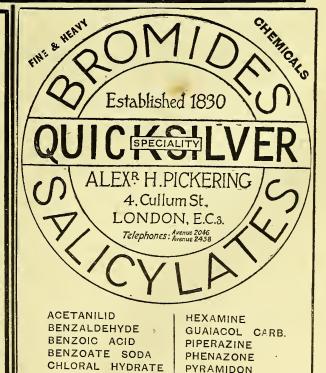
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21/2 lb.

21/2 lb.
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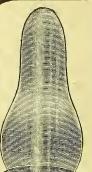
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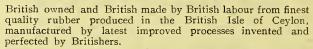
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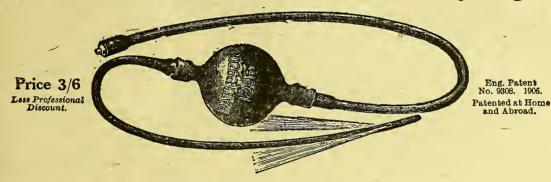
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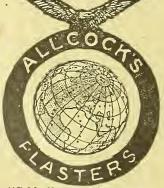
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|                                                  |       | s. d | đ. | s. | đ.  | s. | d. | s. | đ. | s. | d.  | s. | d.  | s. | d.  | s.  | d.  |
| Heavy weight                                     | each  | 4    | 0  | 4  | 4   | 4  | 8  | 5  | 0  | 5  | -6  | 6  | 0   | 6  | 3   | 7   | 0   |
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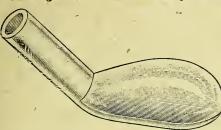


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OCTOBER 26, 1918

Advertisements for this Supplement must be received not later than First Post on Thursday Morning,

# CHEMISTS' TRANSFERS.

# Messrs. ORRIDGE & CO., 56 Ludgate Hill, E.C.

May be consulted at their Offices on matters of SALE, PURCHASE, and VALUATION.

May be consuited at their Unices on matter 1.—London, N.W.—Good-class Business; Retail and Dispensing; net profit £600; well-appointed shop, nicely fitted and fully stocked: valuation terms would be considered or lump sum offer. 2.—BECKENHAM (Near).— Modern Pharmacy, situate in pleasant district; well-appointed shop and ample stock; returns, present rate, £1,500 under management; the business admits of extension; full investigation invited; part payment.

3.—WILLESDEN.—Ready-money Business; returns, present rate, £30 per week; gross profit about one-third; rent £50; no near opposition; price £350 for speedy transfer.

4.—FINSBURY PARK (Near).—Old-established Business; Retail and Dispensing; returns between £1,900 and £2,000 per annum; gross profit £700; well-appointed shop and ample working stock; roomy house, with side entrance; held on lease; no immediate opposition; price to be arranged equitably; the business is one that we can recommend, and is worth the attention of a gentleman with good-class experience.

that we can recommend, and is worth the attention of a gentlemen with good-class experience.

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6.—WEST-END (Few Minutes From).—An exceptionally good and reliable Business in select residential locality; returns £2,219; net profit over £600; terms, valuation of stock and fixtures, and sum for goodwill to be agreed equitably; vendor retiring.

7.—LONDON, N.W. (Residential Suburb),—Well-established Business; held by vendor upwards of 25 years; returns, present rate, over £30 per week at fair prices; well-appointed shop, fitted in mahogany; there is a comfortable residence; held on lease; no near opposition; price £850.

8.—YORKS (Market Town).—For immediate disposal, through ill-health, well-established Business; returns over £1,000 yearly; present rate less; lock-up shop; rent £40; lease if required; the business has the reputation of being the best in the district; stock and fixtures valued at £576. To an immediate purchaser £350 would be accepted.

\$3.50 would be accepted.

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11.—GREAT CENTRAL MAIN LINE.—Retail and Dispensing Business; returns about £4,000 (present rate); business suited to an energetio man with knowledge of good-class trading; terms, valuation of stock and flxtures and premium for goodwill.

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14.—SOUTH COAST (Seaport).—Ready-money Business; main road position; returns last year about £2,500; well-fitted shop and ample stock; terms, valuation of stock and fixtures; a lease will be granted or property may be purchased; death cause of sale.

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would enter next autumn, or after disposal present business.
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3.—SURREY (Suburb).—Good-class Retail and Dispensing Business in good position; returns £1,800; net profit nearly £450; fooks well kept; very convenient house; price about £900.

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PATH.—Capable Assistant; accustomed to good-class trade; salary to suitable man furnishing good credentials, £4 per week. Full particulars in first letter, 65 31, Office of this Paper.

BIRMINGHAM.—Young lady Assistant required; one who has had only a little experience would be suitable. State age and salary required, "A." (61/162), Office of this Paper.

BIRMINGHAM.—Wanted, a lady Assistant, qualified preferred, for Light Retail business; Improver not objected to; good salary. Apply to 65/26, Office of this Paper.

BOW.—Young lady Assistant required; comfortable and permanent berth. State age, when at liberty, and salary required, "Bow" (66/7), Office of this Paper.

BUXTON.—Unqualified Assistant (lady or gentleman) wanted for good-class business; outdoors; short bonrs. Please state age, previous experience, and salary required to W. T. Young, Pharmacist, Spring Gardens, Buxton, Derbys.

CAMBRIDGE.—Lady Assistant (Hall) required for good-class Dispensing business. State salary, etc., S. F. Barker, 46 Chesterton Road, Cambridge.

CHELTENHAM.—Wanted (urgently) in a brisk business employ-ing several Assistants, a well-trained Counterman (to Dis-pense occasionally); hours reasonable; pleasant berth; outdoors. Write Mr. Lloyd, 1 St. Luke's Villas, Cheltenham.

CHESTER.—Assistant (lady or gentleman) required for a good-class Retail and Dispensing business; outdoors. Please state age, experience, and salary required to J. P. Crainc, Northgate Pharmacy, Chester.

COVENTRY.—Lody Assistant wanted, with good Dispensing experience. Fall particulars and references (not copies) to Chas. H. Welton, The Pharmacy, Smithford Street, Coventry.

POLKESTONE.—Wanted, Dispensing Assistant; accustomed to good-class business. Apply, giving particulars of experience and salary required (outdoors), to Hall & King, Wost Cliff Pharmacy, Folkestone.

COLDERS GREEN.—Assistant Dispenser required; 5 to 8 p.m. daily except Sunday. Apply, stating experience and salary required, to 64/29, Office of this Paper.

HASTINGS.—Discharged soldier, sailor, or ineligible, with first-class Dispensing and Retail experience, required in Dispensing and Retail business. Kindly state references, salary required, and enclose photograph (vacancy now open), Neve & Co., Proprietor Harold E. Skyrme, 12 Wellington Place, Hastings.

HULL.—Progressive firm of Retail Chemists have an opening for a smart qualified Manager to take charge of their branch; business good; lucrative permanency. "Hull" (61/161), Office of this Paper.

INGSTON-ON-THAMES.—Assistant wanted, lady or gentleman (outdoors), for good-class business; easy hours; good salary; no Sunday or Bank Hohday duty. State age, height, when disengaged, and salary expected (personal interview preferred), Plomley, Chemist. 51 Fife Road.

LEEDS.—Qualified lady Assistant for Dispensing and Retail department. State age, experience, salary required, and when disengaged, Reynolds & Branson, Ltd., Leeds.

LEICESTER.—Good opening for a capable unqualified Assistant; knowledge of Photographic trade an advantage; comfortable and permanent berth. "Leicester" (61/165), Office of this

LIVERPOOL.—Qualified Manager for branch; no Sunday duty; salary  $4\frac{1}{2}$  guineas weekly. Full particulars to R. and J. Herman, Pharmacists, Aintree, Liverpool.

ONDON, E.—Unqualified Assistant required for a progressive business; good opening for a capable man, discharged from my or Grade 3; permanency. "B. R." (61/160), Office of the Perror. Army or G this Paper.

L ONDON, N.—Lady Assistant required for Dispensing and Counter; outdoors; comfortable berth; one with shop experience preferred, but not essential. Apply, stating experience, age, height, and salary required, to Dow Brothers, 44 Seven Sisters Road, Holloway, N. 7.

L ONDON, N.—Unqualified, discharged or ineligible, for Cash Retail and Dispensing; outdoors. State full particulars and salary required, or oall. "H.," 35 Junction Road, N. 19.

L ONDON, N.E.—Unqualified Assistant, either sex, for Drug Store; no Poisons; might suit elderly man or discharged soldier. Grant's Drug Stores, 33 Chatsworth Road, Clapton Park,

L ONDON, N.E.—Qualified Minor, and unqualified or Hall, wanted (at once); either sex. Please state salary, etc., or call, Brodribb. 344 Mare Street, Hackney.

DONDON, N.W.—Good all-round Assistant for Retail and Dispensing; hours 9 to 8 p.m., Tbursday 1 p.m., no Sunday duty. State experience and salary required (outdoors) to A. Hodgson, Millbrook Place, Harrington Square, N.W. 1.

ONDON, S.W.—Assistant, with good knowledge of Dispensing, wanted to commence at early date. Please state experience, when disengaged, and salary expected, Amon, Chemist, 436 Streatham Common, S.W. 16.

LONDON, S.W.—Assistant required for general Retail and Dispensing; outdoors; no Sunday duty; close 1 o'clock Wednesdays; good references essential. "G. B." (65/18), Office of this Paper.

ONDON, S.W.—Lady Assistant wanted (at once); registered or not; outdoors. Apply to "Spes" (65/36), Office of this

I ONDON, S.W.—An experienced Assistant, accustomed to Dispensing, required; salary £3 10s. weekly. Apply to "Pharmacist" (66/5), Office of this Paper.

L ONDON, W.—Required, a steady up-to-date all-round Assistant; good at Counter, and accustomed to quick business; no N.H.I. or night work. W. V. Wright, 25 Broadway, Hammersmith.

ONDON, W.—Immediately, unqualified, honest, sober, obliging, good Counterman and Window-dresser; quick store business; good prospects for right man. Apply personally (if possible) or by letter, giving full particulars, to Morton's, Cash Chemists, Ltd., 199 Portobello Road, Notting Hill, W. 11.

LONDON, W.—A competent Assistant required: immediate vacancy. Apply personally, or by letter, to Rouse & Co., Wigmore Street, W.

Condon, W.—Smart, active Assistant (gentleman); West-End experience; punctual, neat, and orderly; permanency; outdoors. Apply Cofman's Pharmacy, 25 York Place, Baker Street, W.

LONDON, W.—Assistant wanted (either sex) for high-class Dispensing and Retail; outdoors. Usual particulars to F. J. Hicks, 3 St. Mary Abbots Terrace, Kensington, W. 14.

ONDON, W.—Assistant, with first-class Dispensing experience; outdoors, State salary and all particulars to John Atkins, Chemist, Queen's Road, Bayswater, W. 2.

ONDON, W.—Wanted, a first-class qualified Assistant for West-End business; liberal salary, and progressive position for a really good man. Apply "X. Y. Z." (65/10), Office of this Paper.

ONDON, W.—Required, in high-class Dispensing business, qualified Senior, married, to reside on premises and take charge in absence of principal; good Dispensing experience essential. Partioulars of experience, age, and salary expected, in confidence, to 66/2, Office of this Paper.

L ONDON, W.C.—Lady as Stockkeeper in Pharmacy; light work; short hours; good salary to smart Assistant. Brooks, 4 Northumberland Avenue, W.C. 2.

MANCHESTER.—Unqualified Assistant, mainly for Counter work, in high-class Pharmacy. State full particulars and salary required, Westmacott & Son, 17 Market Street,

MANCHESTER.—Assistant; lady or gentleman; accustomed to Retail and Dispensing business. Apply, giving full particulars of experience and salary required, to J. S. Breese, Pharmaceutical Chemist, Rusholme.

MIDLANDS.—Unqualified Assistant required for progressive Light Retail and Dispensing business; permanency. State when at liberty and salary required, "W." (61/165), Office of this Paper.

PRESTON, LANCS,—Unqualified Assistant required for a quick Cash Retail business; good knowledge of Photographic trade an advantage; comfortable and permanent berth. "Preston" (61/164), Office of this Paper.

RICHMOND, SURREY.—Lady Assistant wanted for Counter; good-class trade; comfortable hours. Apply personally, or by letter, Coppen Bros., Ltd., 12½ Carey Street, Yincent Square, Westminster, S.W.

HEFFIELD (NEAR).—Experienced lady Assistant wanted; Brisk Counter trade and National Insurance Dispensing. Apply, stating age, experience, and salary (outdoors), 62/33, Office of this Paper.

SOUTH CROYDON.—Assistant required (at once). Give full particulars in first letter as to salary required, references, etc., S. A. Noble, Pharmacist, South Croydon.

SOUTH KENSINGTON, S.W.—Unqualified Assistant (outdoors); salary £3 10s. per week, in a good-class Dispensing and Family Retail; no N.H.I.; hours 9 a.m. to 8 p.m., Saturdays 9 p.m., some Sunday duty on alternate Sundays, Newman H. Schollar, M.P.S., Tennant's Pharmacy, 29 Sussex Place, S.W. 7.

SOUTH OF ENGLAND,—Assistant required (male or female); free removal; permanency with good salary. Timothy white Co., Ltd., Chemists, Portsmonth.

SOUTH WALES.—Qualified Manager required for progressive branch, within 17 miles of Cardiff; man speaking Welsh preferred; liberal interest in the profits offered to any man who is prepared to put his whole energy into the business. "S. W." (61/16), Office of this Paper.

SOUTH WALES.—Wanted (immediately), reliable qualified Manager for branch at Bedwas, Mon.; good salory and permanency to suitable man. Apply, giving full particulars, to Francis, Chemist, New Tredegar.

SOUTH WALES.—Capable Assistant wanted (immediately); Dispensing and general; salary 50s. to 60s. Send full particulars, references, Henderson, Chemist, Llanelly.

TUNBRIDGE WELLS.—Wanted, Assistant (lady or gentleman) (immediately); good salary; easy hours. A. S. W. Pearmund, 17 Calverley Road, Tunbridge Wells.

WALSALL.—Qualified Assistant as substitute. Apply, with full particulars, G. Elliott & Son, Walsall.

W ESTCLIFF-ON-SEA.—Unqualified (male) Assistant for Counter and Dispensing; outdoors. State experience, salary required, etc., to F. H. King, Hamlet Court Road.

WINDSOR.—Lady Assistant for high-class Dispensing and Retail; some Pharmacy experience desirable; outdoors; or ineligible gentleman. Particulars to R. Wood, Chemist to the King, Windsor.

A SSISTANT; accustomed to Dispensing and good Counterman.
State salary, experience, and references, P. G. Tremlett,
Fratton Bridge, Portsmouth.

A SSISTANT required (immediately); good Counterman and Window-dresser, and accurate Dispenser; knowledge-of Photography desirable; Welsh not necessary. State age, experience, and salary required (outdoors), and give references, Meyler, Chemist, Milford Haven.

A SSISTANT, gentleman or lady, for Light Retail and Dispensing business; hours 9 to 7, Wednesdays 1, Saturdays 8, no Sunday duty. State age, experience, references, and salary, Thompson, Pharmaceutical Chemist, 51 The Grove, Ealing, W. 5.

A SSISTANT for Light Retail and Dispensing required; outdoors; easy hours. Duck, Chemist, Fortheawl, Glam.

A SSISTANT; outdoors (lady or gentleman); whole or part time; knowledge of Dispensing and Retail; no N.H.I. work. Apply G. W. G. Robinson, M.P.S., 507 Railton Road, Herne Hill, S.E. 24.

COACH.—Wanted in Clapham Common district, either two afternoons or two evenings per week, a Coach for Arithmetic and Elementary Chemistry; Apothecarics' Hall course. Apply Miss A. D., 6 Crescent Grove, Clapham Common.

DISCHARGED soldier or "unfit" man wanted to take charge of Warchouse of a Retail business, checking work of girls, and maintaining stock. State age, wages asked, experience (if suffering from any disability wounds, please state nature), "Cardiff" (64/11), Office of this Paper.

DISPENSER; Minor qualification; lady or gentleman; capable; accurate; London, S.E., district. Apply, stating references, salary, experience, to Chemist, 77 High Street, Croydon.

DISPENSER; lady or gentleman; easy hours; three Assistants and salary required, to Mr. Reid, 2 Queen Street, Exeter.

DISPENSER wanted (at once); must be good Salesman, and have knowledge of Photography; commencing salary £182 per annum and commission. Apply "Progress" (64/13), Office of this Paper.

DISPENSER required; every day from 4 to 8 p.m.; S.W. district; no Sunday duty. Apply 65/5, Office of this Paper.

FLDERLY qualified Assistant; permanency; easy post; state wages and full particulars. Apply 64/39, Office of this Paper.

EVENINGS ABOUT 5.30 TO 8.—Assistant wanted, chiefly for Counter; lady suitable if experienced. Foster & Dallas, Chemists, 1 Lavender Hill, Clapham, S.W.

JUNIOR lady Assistant required for quick cash Retail business; knowledge of Dispensing not essential; outdoors. Apply, with usual particulars, to Gray, Chemist, Longbridge Road, Barking.

L ADY Dispensers wanted, with knowledge of Counter work; good salary and commission. Apply Parke's Drug Stores, Ltd., 65 Harmood Street, Kentish Town, N.W. 1.

ADY Dispenser-Bookkeeper (Hell) wanted October; Doctor's firm; state age, salary, and experience. Apply Messrs. Maturin & Statham, Monmonth House, Lymington, Hants.

ADY Assistant wanted; general help; with or without Dispensing knowledge; quick Counter trade; Bow district, Usual particulars, 63/34, Office of this Paper.

LADY, with Minor qualification, wanted in a Light Retail business; accustomed to Counter work; easy hours, no Sunday duty. State age, height, salary, in- or out-doors, and references, Mann, Chemist, Clacton-on-Sea.

MANAGER wanted for November 1st; must be reliable and incligible for Army; good salary and commission. Apply 60 Watney Street, St. George's, E. 1.

MANAGER or Senior, discharged or ineligible, at an early date, married, to live over shop, for good-class Retail and Dispensing, and little Photographic. Apply T. E. Savage, 30 Broadway, Crouch End, N. 8.

MANAGER, qualified (at once), to manage small branch; permanency to suitable man; no Sunday duty; very little N.H.I.; salary £4. Apply 63/28, Office of this Paper.

MESSRS. TIMOTHY WHITE CO., LTD., Chemists, Portsmouth, require a capable Pharmacist (male or female); easy honrs; good and progressive salary, with excellent prospects; free removal.

NEAR MANCHESTER.—Qualified Assistant required; good ellround man will find this a comfortable borth. Age, salary, and references to 66/8, Office of this Paper. QUALIFIED Manager (or Assistant qualified might suit) wanted for medium-class business. Apply, stating age and salary required, Mrs. Tompsett, 163 Seaside, Eastbourne.

QUALIFIED Managing Assistant required for good-class business: excellent prospects and permanency for capable man. Apply, stating salary and when disengaged, to Oliver, Chemist, Maidstone.

PEQUIRED, lady Assistant for Front Counter in a large West-End establishment, with good knowledge of Drugs and Tollet articles; good salary and commission on sales. Apply personally, or by letter, to Manager, Drug Department, Army and Navy Stores, 105 Victoria Street, S.W. 1.

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m EQUIRED}$ , in a high-class Dispensing business, a qualified Chemist; ineligible for military service; residential town in Warwickshire. Apply 64/18, Office of this Paper.

REQUIRED, Dispenser, lady or gentleman, in large West-End house; Minor qualifications preferred; competent, and good experience necessary; hours of work 8.45 to 6 o'clock, and 1 o'clock Saturdays; no Sunday duty. Apply personally or by letter, giving full particulars of past experience and salary required, to the Manager, Drug Department, 105 Victoria Street, S.W. 1.

REQUIRED, lady Assistant for Front Counter in a large West-End\_cstablishment, with good knowledge of Drugs and Toilet articles; good salary, commission on sales. Apply personally, or by letter, to Manager, Drug Department, 105 Victoria Street, S.W. 1.

REQUIRED (November), lady Minor, to manage small tranch; London; outdoors; good salary and prospects. Apply 65/390, Office of this Paper.

REQUIRED, lady for Retail; qualification not essential if experienced; good salary; London; outdoors. Apply 65/39, Office of this Paper.

AVORY & MOORE, LTD., 1 Lancaster Gate, W. 2, require a reliable Dispensing Assistant with Minor qualification; outdoors; lady or gentleman (ineligible). Full particulars, stating salary required, to the Manager.

TEELE & MARSH, Dispensing Chemists, 6 Milsom Street, Bath, require (immediately) a competent, qualified Assistant of gentlemanly address, for their Dispensing Counter; good experience essential. Apply, with copies of testimonials, stating salary required and when disengaged, to the proprietor, David A. Evans.

URGENTLY wanted, unqualified Assistant for good-class country Retail; outdoors; elderly man if active not objected to. Apply, stating age, references, salary required, and earliest date for commencing, to J. H. Hull, Pharmacist, Todcaster, Yorks.

UNQUALIFIED lady Dispenser, married preferred, wanted by Doctor io S.W. district for morning and evening Surgery. Please state salary required to 65/17, Office of this Paper.

WANTED, lady Dispenser with Hall qualification; short hours, 8.45 to 6 (1 o'clock Saturdays), no Sunday duty. Apply Staff Superintendent, C.S.S.A., Ltd., 136 Queen Victoria Street, London, E.C. 4.

WANTED, a capable Assistant, ineligible for Army, for Cash Retail and Dispensing business. Apply, giving references, and stating age and salary required (indoors), to R. W. Houfe, Pharmaceutical Chemist, Windsor.

WANTED, unqualified Assistant (single) for Dispensing and Light Retail; outdoors. Apply, stating age and full particulars, W. Charrington, 17 Market Street, Lichfield, Staffs.

WANTED, thoroughly reliable and competent Assistant (knowledge of Homeopathy preferred, but not essential); to one wishing a permanency or succession this is a fine opportunity. Apply, with full particulars of experience, salary required, to Aukland, 96 Camden Road, London, N.W. 1.

WANTED, an experienced Assistant Dispenser (lady) at a Voluntary Hospital in Manchester, Minor qualifications, with board and residence. Address, stating salary required, age, and full particulars, with eopies of not more than three testimonials, to 207/8, Office of this Paper.

WANTED, Dispenser; ineligible for Army; application from lady entertained if experienced. Apply, with particulars of age, experience, salary required, when free, to Managing Director, Hodder & Co., Ltd., 5 Nelson Street, Bristol.

WANTED (immediately), good Locum; easy hours. A. S. W. Pearmund, 17 Calverley Road, Tunbridge Wells.

WANTED, a competent Assistant for about three months as holiday relief. Kindly state age, details of experience, when disengaged, and salary required (outdoors), to Evans, Chemist, Margate.

WANTED, a qualified lady and gentleman for high-class Dispensing and Retail Pharmacy in Yorkshire; outdoors. State experience and salary required, 66/9, Office of this Paper.

WANTED, Branch Manager; lady or gentleman; qualified Light Retail; no Sunday or half-holiday duty. Send ful particulars in first letter, Staley, Chemist, Chorley, Lancs.

WANTED, for good-class country business, competent Assistant; male or female; easy hours; no Sunday duty; salary £4 weekly. Apply, with full particulars as to age and experience, and photo if possible, to 65/28, Office of this Paper.

WANTED, Dispenser (capable) for good-class business; two kept; lady or gentleman. Replies to 65/50, Office of this Paper.

 $W^{\mathrm{ANTED}}$ , unqualified Branch Manager (ineligible). App  $_{65/11}$ . Office of this Paper.

10 CHESTER PLACE, HYDE PARK SQUARE, W. 2.—An Assistant, accustomed to Dispensing, wanted at once; hours of duty by arrangement, nominally from 9 a.m. to 8 p.m.; ability and good work appreciated, and recompensed accordingly. Apply Maitland, Son & Lindley.

#### WHOLESALE.

A VACANCY will shortly occur for capable gentleman (under 40) to assist in the supervision of the various departments of a progressive Wholesale Manufacturer of and dealer in high-class Chemists' Sundries, Toilet and Manicure requisites; a good opening for a man with ability and initiative; must be able correspondent. Apply 208/45, Office of this Paper.

A CCURATE Junior Shorthand-Typist required by important Chemical house in London; permanent position. Send particulars of experience, wages wanted, etc., to 204/9, Office of this Paper.

 $\mathbf{A}^{ ext{DVICE}}$  wanted re manufacturing Malt Extract for medicinal purposes. Apply 37/23, Office of this Paper.

Balss Brothers & Co. require one or two men with Manufacturing Laboratory experience. 175 Grange Road, Bermondsey, S.E. 1.

DRY Counter Hand (experienced) wanted by a London house; wages £2 7s. 6d. Apply, stating full particulars, to 208/74,

GIRL Packers required; with or without experience. Apply Boutalls, Ltd., 150 Southampton Row, W.C. 1.

INVOICE and Entering Clerk; permanent situation. Apply, stating age, experience, and salary required, to Secretary, General Apotheoaries' Company, 49 Berners Street, W. 1.

MANAGER, qualified, ineligible, wanted in Laboratory of oldfor Dispatch Counter. Apply, with details, to "X. Y. Z." (202/17), Office of this Paper.

MANUFACTURING DEPARTMENT.—Unqualified Assistant to prepare Pharmacopoeial preparations and Proprietaries, and to take charge of machinery for dry mixing, crushing, and grinding Drugs and the milling of Ointments, etc. Applicants, who must be ineligible for military service, should send full particulars of experience, stating age and salary required, to Martyn's Stores, Ltd., 26 Queen Street, Wolverhampton.

REPRESENTATIVE wanted, part time, for Surgical Instruments and Druggists' Sundries; one who works the South and West Coast. Apply 65/8, Office of this Paper.

REPRESENTATIVE wanted by Wholesale Surgical Instrument and Druggist Sundries house; good salary to live man; experience necessary. Apply 65/80, Office of this Paper.

REQUIRED, thoroughly experienced man for Drugs Sales department; Wholesale only; must have complete knowledge of Wholesale Drug trade, and possibly import and export. Full particulars to 205/25, Office of this Paper.

SALES Manager wanted; experienced and thoroughly competent to handle large selling organisation throughout the Empire; Proprietary articles; northern firm. Apply 207/10, Office of this Paper.

HORTHAND Typist required; previous experience essential. Apply by letter, giving full particulars and salary required, in confidence, to J. L. Hatrick & Co., Ltd., 70-72 St. John Street, Clerkenwell, E:C. 1.

MART Travellers required on good commission basis (£10-£20 weekly), to introduce a first-class repeater (Sugar Substitute); only those need apply who can sell on pro forma terms. Give full particulars and references, in strict confidence, to 29/9, Office of this Paper.

'NABLET Maker or Granulator wanted; Liverpool; permanent post; good salary. Apply 137/18. Office of this Paper.

TABLET Machinist wanted. Apply W. B. Cartwright, Ltd., Rawdon, near Leeds.

TRAVELLER on commission required, to carry Proprietary in South Wales. calling on Chemists' Stores. State experiences, with references, to 64/16, Office of this Paper.

WANTED, an Assistant for the Citrate room; also experienced men for the Wet floor. Apply Willows, Francis, Butler & Thompson, Ltd, 40 Aldersgate Street, E.C.

WANTED as early as possible, Assistant for Wholesale (free from Army'service). Full particulars as to age, references, and salary required to Holman, Ham & Co., Ltd., Market Street, Exeter.

WANTED, experienced Tablet Machinist. Apply W. B. Cartwright, Ltd., Tablet Makers, Rawdon, near Leeds.

WANTED, a Working Manager and Sceretary. Please state previous experience and salary required. Apply to The Kraska Co., Ltd., 7 Blenheim Street, Boud Street, W.

Wanted in London, an experienced maker of Perfumery of this Paper. Apply 63/36, Office

#### WHOLESALE.

DVERTISER, age 40, exempt, having disposed of his Pharmaoy, is open to represent any Drug, Sundry, or Proprietary rm; London or South Coast territory preferred. "Salesman," 5 Kenwyn Road, Ellacombe, Torquay.

A DVERTISER, holding position of General Warehouse Manager and Buyer, desires change; thoroughly capable, and with ractical manufacturing experience; present berth 14 years. pply 63/5, Office of this Paper.

A DVERTISER, tall, good address, 20 years' first-class Retail experience, discharged, is open for a good cutdoor remunerative engagement. "Forward," 400a Holloway Road, London,

A DVERTISER (44) desires change; many years in present posi-tion as Head Pharmacist in large provincial Hospital; Repre-entative or any branch of Drug trade except Retail; Manchester listrict preferred. Apply 66/11, Office of this Paper.

AS TRAVELLER.—Advertiser, at present acting as Manager of Wholesale warehouse, would like to represent a first-class Wholesale house, either Drug or Sundry; thoroughly experienced a all branches of the Drug trade. Apply 63/50, Office of this

AS Works Manager or similar position; Analytical Chemist, with large experience in Disinfectants, Sheep-dips, Agricultural and Horticultural requirements. "A. I. C." (60/3), Office of this Paper.

CHEMICAL man; wide knowledge home and foreign trade; exceptional facilities for securing business abroad; splendid prospects; open for after-war engagement. Apply 61/330, Office of this Paper.

ABORATORY.—Eighteen years' experience in Specialities and Toilets and general Laboratory work; capable of taking charge; age 32; incligible for military service. Apply 63/35, office of this Paper.

MANAGER (working) wants situation to progressive manufacturing business; Chemicals, Drugs, or Proprietaries. Roberts, c/o the Kraska Co., Ltd., 7 Blenheim Street, New Bond Street, W.

PHARMACEUTICAL Chemist, accustomed to control large high-class business, desires similar position; Manufacturing, Dispensing, Photographio, Optical experience; 45; abstainer; ex-cellent references; northern country town preferred. J. R., 138 High Holborn, W.C. 1.

SECRETARY, and to generally assist in works of Wholesale supervision; good all-round man. Apply 66/13, Office of this Paper.

represent Wholesale house or Proprietary; South Walcs and South Coast; highest references. Apply 65/7, Office of this Paper.

WARRINGTON OR VICINITY.—Man; unqualified; recently discharged; first-rate experience in Wholesale, Pharmaceutical, Mannfacturing, and Retail; £208. Write Box 64/23, Office

YOUNG lady, knowledge Chemicals, Shorthand, Typing, reliable, able attend correspondence, interview customers, buy and sell, seeks engagement. Apply 61/33, Office of this Paper.

#### MISCELLANEOUS.

MCADAM & TUCKNISS, Stock and Share Brokers, Bank Chambers, Blackheath, S.E. 3. Established 1898. Tcle-phone: 81 Lee Green.

Shares for Sale (free of commission, subject).—200 J. Knight, 28. 6d.; 300 Boyril Deferred, 13s. 4\frac{1}{2}d.; 250 Day and Martin, 11s. 4\frac{1}{2}d.; 500 Magadi Soda Deferred, 6s. 10\frac{1}{2}d.; 200 Sanitas, 25s.; 500 Salt Union Ordinary, 28s. 9d., yielding about 10\frac{1}{2}%; 500 Sapon Soap Ordinary, 5s. 6d.; 200 International Plasmon Ordinary, 9s. 3d., cd. 8d. Share, making 30% for year.

Wanted (subject).—Camwal Debentures; \(\pmu\_1\), 600 Idris Debentures, 60 x.d., 1,000 "A" Prefs., 6s.; 300 Allenbury Prefs.; 200 Wright Layman Prefs., 19s.; 200 A. J. White, 5s.

Every effort made to effect business for Buyers and Sellers in all Stocks and Shares. Bankers, London County and Westminster.

BOTTLES; 6 gross, 1½ oz. stoppered Amber T.K. dropping; also 18 gross Eye Drop Bottles, 2 dram white, Chalk's pattern, drop stopper, with rubber bulbs. Western Dental Manufacturing Co., Ltd., Denmark Road, West Ealing, W. 13.

CHEMIST'S Fittings (Modern); complete set mahogany, high class, nearly new, including Recess Shop Rounds; bargain. Mills, Chemist Shopfitter, Shop-front Builder. Steam Works, 163 and 165 Old Street, E.C. 'Phone: London Wall 550.

EUCALYPTUS Oil; 20 cases (each 2 28-lb. tins); finest B.P. What offers, all or part? Apply 208/5, Office of this Paper.

FILTER Cloth Washing Machine, £4; Filter Cloths, 9d. each; Lead-lined Wood Tank, 375 galls., £25; Galv. Tank, 10" deep, 280 galls., £13; Slate Tank, 260 galls., £2; Sturtevant Blower, £3; Copper Boiling Pan, 200 galls., £40; Circular Wood Vat, 330 galls., £13; Digestor or Steam-jacketted Pan, 60 galls., £35: 1/15, 1/12, 1/10 C.J. Oxygen Cylinders, £4 8s. M.," 41 Newcomen Street, S.E.

FOR Sale, about 3 owt. Borio Acid Powder, 5 cwt. hard White Stearine, 2 cwt. powdered Gnm Arabic. Particulars, apply "D.," 85 Auckland Hill, West Norwood, S.E. 27.

FOR Sale, 2 lb. Swing Stoppered Bottles, about 5 gross. What offers? Reply Messrs. W. J. Wilcox & Co., Locksley Street, Limehouse, E. 14.

Office of this Paper. Block Juice in sticks. Apply 66/12,

SACCHARIN Tablets, 40 lb., ½ gr., 330 in 1 guaranteed, over 7,000 to pound, 1 lb. £7, 2 lb. £6 19s. per lb., 5 lb. £6 18s. per lb., no better tablet obtainable; oash with order; immediate registered delivery. A. Walton, 40 Washington Street,

SECOND-HAND CHEMISTS' FITTINGS.—We have an exceptionally fine selection of these in all sizes; prices are right, and goods are in first-class condition; we shall be pleased to supply particulars and prices. Call or write, RUDDUCK & CO., 262 Old Street, London, E.C.

S HOWCASES AND SHOP FITTINGS.—Several fine Silent Salesman Showcases and Counters; quantity of useful Shop Fittings; low prices. Write inquiries, Philip Josephs & Sons, Ltd., 93 Old Street, London, E.C. 1.

TEARIC Acid. What offers? 3½ cwt., M.P. 120/122. Knight, 5 Market Street, Jermyn Street, S.W. 1.

1 CWT. Howard's Pulv. Seidl.; 28 lb. Acid. Tart. Pulv., B.P.; 12 reams White Demy, uncut; 9 reams Fast Blue ditto. What offers? Apply 64/2, Office of this Paper.

#### **EXCHANGE COLUMN.**

One halfpenny per word with name and address. One penny pe ord if we register the address and attach a number. No advertisement inserted for less than 6d.

#### FOR DISPOSAL.

#### DENTAL.

FIVE Celluloid Full Upper Showpieces. R. Lamb, 123 West End Lane, London:

#### DRUGS AND CHEMICALS.

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SICKLE Film Camera, R.R. lens, combination back, ½ plate, wallet with three slides, 10s.; one style E Kodak Developing Tank, used, 7s. 6d.; one style A ditto, new, 10s.; one Cycle Poco Camera, 5" x 4", R.R. lens, in tan leather case, Bausch shutter, one double slide, £1; one Kodak No. 2 Bullet Camera, 5s.; one Kodak 1.A. F.P.K., 15s.; one ½ plate Magazine Camera, 12 plates, R.R. lens, 3 magnifiers, 10s.; all above shopsoiled, post free; one Specie Jar with gilt top, £1. Finlayson, Chemist, Stockton-on-Tees.

UNO Cameo Camera, 3½" by 2½", with Beck Anastigmat F/6. 6 slides, leather case, equal new, £4 4s. Reade, Cleveland Road, Wolverhampton.

Road, Wolverhampton.

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BEST offers; 6 cases 3s. 9d. Fortreviver, 2 cases 5s. 6d. Fortreviver. Apply 61/14 Office of this Paper.

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ABOUT 9 dozen Tooth Brushes, high class, 12s. dozen, post free;
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TWO Rotary Pill Cutters, three Hand Cutters (one new), two
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OLD Negatives, ½ plate and larger, wanted. Apply 60/15, Office of this Paper.
STEREOSCOPIC Photographs, cheap. Mullinger, 10 The Valc, Acton, W. 3.

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SPITTING Flasks; spring top; screw bottom; Maw's 2154/S. Bromhall, Thetford.

LARGE bottle Lineel Liniment or two small size. Wilson, Chemist, Egremont, Cumberland.

SMITH'S Glycoheroin, 1 lb. Glycerine, B.P. Tennant, 29 Sussex Place, South Kensington.

GROUND Linseed Cotton or Soya Cake. Quote prices, Reade Brothers, Ltd., Wolverhampton.

1 GROSS each 6d. and 9d. Floor Polish bottles; cash or exchange. Offers to 63/8, Office of this Paper.

COLTON'S Tube Filling and Tube Closing Machines; either hand or power. Apply 204/64, Office of this Paper.

GLUCOSE (solid or liquid), Corn Syrnp, Honey Sugar, and Invert Sugar; any quantities. Reade Brothers, Ltd., Wolverhampton.

YOUNG women for fine Chemical Counter; must have had experience in packing similar goods. Apply by letter, stating experience, wage required, to J. F. MacFarlan & Co., 9 and 11 Moor Lane.

#### SITUATIONS OPEN.

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JAPAN.—Wanted immediately, an Assistant (qualified preferred) in a first-class Chemist's business at Kobe; easy hours; four years' contract; passage paid out and home; must be ineligible for the Army, Send for full particulars, with photo. to J. W. Franklin, c/o Bailey's Hotel, Gloucester Road, S.W. 7.

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1s. for 12 words or less; 6d. for every 10 words or less beyond, prepaid

#### .[HOME.]

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A LADY, trained, but failed in exam., wishes to become apprenticed to large Chemist; salary required. "S.," c/o Smith's Bookstall, Forest Hill Station, S.E. 23.

A DVERTISER, qualified, married, exempt, experienced, Retail, Prescribing, Photography, Store, etc., owing to recent illness, desires permanent berth as Manager in quiet healthy seaside; country town or village; abstainer and non-smoker. "Statim", (63/15), Office of this Paper.

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A DVERTISER, Grade III., young, active, unqualified, with excellent Retail, Dispensing, and Mannfactory experience, seeks re-engagement in Retail (or Wholesale); good credentials; well-educated; could invest small capital; London or Eastern Counties preferred. Apply 66/32, Office of this Paper.

 ${
m A^{8}}$  Assistant; unqualified; elderly; active; disengaged. "Dispenser," 36 Infirmary Walk, Worcester.

As Locum; permanency; excellent references and experience. Chemist, 122a Holland Road, W. 12.

As Manager; qualified; 41; permanency; experienced Locnm; commence 28th. Complete details please to 65/29, Office of this Paper.

A SSISTANT or Managing Assistant; inequalified; Grade 3; married; abstainer; height 5 ft. 9 in.; 18 years' thorough, all-round, high-class experience; permanency; excellent references; Yorkshire preferred, or Midlands. Apply 63/17, Office of this Paper.

A SSISTANT, 25, Grade 3, seeks change; eight years' first-class Dispensing experience; unqualified; married; disengaged Jannary 1st; Sonth or West Coast; seaside preferred; not essential; willing to live over premises; please state salary offered to a really capable and willing worker. Apply 62/54, Office of this Paper.

A SSISTANT, capable, energetic, with view to succession; would accept partnership; substantial capital. Apply 64/22, Office of this raper.

BRANCH Manager; qualified; over military age; permanency: Brighton or district preferred. State salary, hours, etc.. "Chemist," 163 Seaside, Eastbourne.

CLERICAL; evening work of any kind; terms moderate. Write "F. G." (49/5), Office of this Paper.

DISENGAGED: 51: Major: 6 ft. Pharmacist, 23 Cnthbert's Terrace, Blackhill, co. Durham.

DISENGAGED, 27, Grade III., active, enterprising, 12 years' varied experience, seeks berth; N.H.I., Stock, Photographic, etc.; unqualified; obliging, and accustomed to hard work. 'Statim,' 'Normanhurst,' Heston Road, Honnslow, Middlesex.

DISPENSER; unqualified; eighteen years' all-round experience with Chemists and Doctors; qualified in America; typewriting, bookkeeping; whole or part time. "Indian Gentleman," 12 Torquay Street, Paddington, W. 2.

DISPENSER, Bookkeeper, Dresser, Extractor. "W.," 28 Park Grove, West Ham, E. 15.

DISPENSER requires some evening work; West. "S.," 57 Gleneagle Road, Streatham.

DISPENSER, lady, unqualified, requires post; Doctor or Chemist; thoroughly reliable. Apply 66/6, Office of this

DISPENSING (whole or part); unqualified; 39; Grade III.; moderate hours; preferably London. "A. D." (65/37), Office of this Paper.

DISPENSER-BOOKKEEPER, etc., lady (Hall), desires post immediately; good experience public and private; excellent references. Apply 58/37, Office of this Paper.

DRUG Store Manager, unqualified, is disengaged; reliable, steady, or would purchase a sound business; total exemption. Alpha," 90a Pearcroft Road, Leytonstone, E. 11.

EXPERIENCED Manager, qualified, requires engagement; prospects of advancement; must be business having Assistant; liberal salary expected. State particulars in first letter, 62/40, office of this Paper.

I NOUIRIES invited from employers in want of a competent Manager or Assistant; unqualified; married; at present in the Army, but releasable; good Salesman, Window-dresser, Prescriber, Dispenser, and Extractor; highest Army and civil references. Apply "Army" (61/31), Office of this Paper.

LADY, 2½ years' high-class Retail experience, also Nursing qualifications, desires engagement, Assistant-Bookkeeper; salary £100, rising. "M." (61/28), Office of this Paper.

LADY Dispenser, accustomed to N.H.J. Dispensing, seeks post of this Paper. Apothecaries' certificate. Apply 65/12, Office of this Paper.

OCUM TENENS; disengaged October 26th; experienced. "L. T.," 51 Herbert Street, Aberdare, S. Wales.

LOCUM or Branch Manager; London and provincial experience; highest references. Apply 65/70, Office of this Paper.

MANAGER; qualified; exempt; married; all-round experience; trustworthy; sole control, with living accommodation over shop; Manchester, Sheffield, or Leeds districts preferred. Apply 62/26, Office of this Paper.

MANAGER (or Senior); qualified; 28; married; ineligible; but not essential; London only; disengaged one month. Apply 63/13, Office of this Paper.

Manager; good-class experience; middle-aged; qualified.

MANAGER, qualified, 31, ineligible, energetic, trustworthy, London experience, desires position of responsibility; London suburb preferred: view to-succession, preferrably with house accommodation. Apply 64/34, Office of this Paper.

PART-TIME Dispensing wanted by lady; Hall certificate; Pharmacy experience; good testimonials; Sunday if required; West London or within casy reach. Apply 64/35, Office of this Paper.

QUALIFIED lady Dispenser requires post with Chemist; previous experience; Essex preferred. Apply 63/9, Office of this Paper.

QUALIFIED, 33. Grade 3, desires Managership; Kettering-Wellingborough district preferred; good all-round experience. Please state salary, 62/36, Office of this Paper.

QUALIFIED, Grade III., active, is open to accept position as Manager or Assistant; Manchester preferred, but not essential. Apply 62/28, Office of this Paper.

QUALIFIED, 30, rejected, desires good permanent position; succession entertained, not essential. Please state salary, 5704, Office of this Paper.

QUALIFIED; 46; ineligible; Manager or Dispensership, Barker, Chemist, Woodbrook, Oldham.

QUALIFIED, experienced Dispenser seeks engagement; London. Apply 61/13, Office of this Paper.

QUALIFIED man requires situation as Manager or other responsible position; over military age, active, healthy; references and experience good; North Midlands or Yorkshire preferred. Apply 63/18, Office of this Paper.

QUALIFIED Dispenser; free November; daughter of medical man; last post 3½ years; could furnish rooms; no Chemists. Mrs. Westlake, 21 Albany Road, Sittingbourne.

QUALIFIED; 38; discharged Army (London preferred); discharged November 16th. Salary, hours, "Camphora" (63/4), Office of this Paper.

QUALIFIED; locum, branch, or part-time. Chemist, 26 Telford Road, Westbonrne Park, W.

QUALIFIED (lady); disengaged; any district. State hours and salary, 64/8, Office of this Paper.

QUALIFIED Chemist, elderly, active, capable, desires permanency. Please state salary offered (outdoors). Apply 64/38, Office of this Paper.

SEORETARY and Manager to progressive firm; hard worker. Roberts, 29 Hanmer Gardens, Kennington Oval.

UNQUALIFIED: 35; siugle; rejected: 16 years' Dispensing and Counter experience; good Prescriber and Window-dresser; permanency desired. Roberts, 22 Kensington, Liverpool.

UNQUALIFIED: 24; Grade III.; experienced Dispensing, Connter, and Photography. State full particulars, salary, hours, etc., "Provincial" (65/22), Office of this Paper.

UNQUALIFIED Manager or Assistant, married, 38, Grade 3, seeks permanency; highest references. State salary, etc., to "Rhei" (65/6), Office of this Paper.

Young lady for Retail Connter; quick, accurate; no Dispensing; Loudon only. "Laura," 19 Queen's Road, Wimbledon.

YOUNG lady seeks post as Counter Assistant; Saturday evening and any other evening; experienced. "Chemus," 214 Droop Street, Queen's Park, W. 10.

LITERATURE with reference to Patent Medicine duty. State title of work, date, and price. Particulars to 62/38, Office of this Paper.

SHOP Drawers required; any number up to 50 feet run; must be managany fronted, with glass knobs and labels. Please give full dimensions and price on rail to Horton, Chemist, Chielester. Chichester.

Chicaester.

A REGULAR supply of Beef and Malt Wine; any make. Apply S. T. Shaw, Chemist, Golcar, nr. Huddersfield.

4-0Z. Bottles wanted, white or green, preferably lipped; any quantity. State price, 201/19, Office of this Paper.

PHARMACEUTICAL Journal Formulary; Martindale, 16th; Pharmacopedia. Gower, Bookseller, 41 Voltaire Road, Clapham.

HINGED Gilt Tins for ½ and 1 oz. lozenges; also small Glass Vest-pocket Flasks; metal screw tops; samples. Prices, "S." 46 Cumberland Road, Acton, W. 3. WANTED, Radium Salt, pure or Residues, old Applicators, etc. Apply Harrison Glew, Radium Laboratories, 156 Clapham

Apply Harrison Glew, Radium Laboratories, 156 Clapham Road, S.W. 9.

OPTICAL books, Minor, Major, Chemists' books: send prepaid for valuation, cash offers per return. Gower, Bookseller, 41 Voltaire Road, Clapham, S.W. 4.

BIG prices paid for Stokes' or Colton Tablet Machines; Pill Machinery also wanted. Particulars to 78/58, Office of this Paper.

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Made with American 550 Saccharin. 5,000 lots @ 14/- per 1000; 10,000 @ 13/9; 20,000 @ 13/6; 50,000 @ 13/3; 100,000 @ 13/-; 1,000,000 @ 12/6. Net c.w.o. Immediate Delivery. MEYER, Manufacturing Chemists, BIRMINGHAM.

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|--------|----------|---------|--------|----|----|---|-----------|
| I lb.  | (average | over 7, | 000) ; | €7 | 0  | 0 | per 1b.   |
| 2 lb.  |          | •••     | •••    | 6  | 19 | 0 | 22        |
| 5 lb.  | ***      | •••     | •••    | 6  | 18 | 0 | 22=       |
| 10 lb. |          | •••     |        |    | 17 |   | 22        |
| 20 lb. |          |         | • • •  | 6  | 16 | 0 | "         |

Flasks of 100 @ 26/- per doz; 200 @ 50/-; 1000 lots, 20/- each Tablets of ½ gr. 330 in 1 (average 7,000) 100/- per ib.; 2 lbs. @ 97/6; 5 lbs. @ 95/-

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10 CASKS BRITISH LYSOL,

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Samples free, which will speak for themselves. Carriage paid. Casks free.

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4 grain 330 in 1, 90/- per lb.

Enveloped in 100's, 13/6 per thousand. 2-oz. Sample, 12/-. Not less than 7,500 tablets to the lb.

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#### (Monsanto)

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#### Saccharin

gr., 330 in 1. Guaranteed the Genuine Article. £7 0 0 per lb. Cash with Order.

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CLEAR BLUE TINTED, plain or graduated. 3 and 4 ounce. 6 and 8 ounce. CLEAR BLUE TIME 5 6 and 8 or 12 ounce.

WHITE PHIALS, Plain or teaspoons.

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BLUE LOTION BOTTLES, all sizes. CORKS. Superior Quality. No advance in price.
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4 gr. 330 in 1. 8000 to each ib.

8000@15/- 30,000@14/6 50,000@14/- 100,000@13/6

The above are made with Monsanto Saccharin and Howards Soda, and highly appreciated. Cash with Order. Carriage Paid.

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10,000 @ 13/9 per 1000
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1 11

5 12

5 11

5 11

5 10

5 9

.. 15/9

per 1,000.

15/6

5 10 6

1 grain, 330 in 1. ½ grain, 330 in 1. Equal to one lump of Sugar. Equal to most ½-gr. (Over 7,000 to the lb.) (Over 7,00) to the lb.) . £ s. d. 4 15 0 @ 4 14 4 13 2 ,, 2 ,, ,, .. 4 .. ,, 7 ,, 4 12 14 ,, 4 10 28 .. 28 ,, 56 .. Or 20,000 @ 16/-Or 20,000 @ 13/6 100,000 .. 13/-500,000 .. 12/6 100,000 500,000 per 1,000.

Immediate Delivery. Cash with Order. Registered Post Free.

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|----------------------------------|-----------------------------|-----------------------------------------|
| Advert.<br>Price.                | Minimum<br>Retail<br>Price: | Minimum<br>Wholesale<br>Price.          |
| 1/3 Tubes Baumol Tooth Paste     | 1/3 m                       | 10'- net onthly a/c.                    |
| Southall Bros. & Barclay's       | Goods:                      | _                                       |
|                                  | 01.                         |                                         |
| 2 oz. Vitafer                    |                             |                                         |
| 2 11 12                          | 5/6                         | 44/-                                    |
|                                  | 10/-                        | 80/ <del>-</del>                        |
| 16                               | Less 5 % at                 | 3 months.                               |
|                                  |                             |                                         |
| Warwick Bros.' Goods:-           |                             |                                         |
| 1/- "I-O-Mints"                  | 1/-                         | 7/-                                     |
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| The Western Dental Mfg.          | Co.'s Goo                   | ds:-                                    |
| The Hestern Bonda 222            | 1/3                         | . 9/_                                   |
| 8 oz. bott. Lysol ("Densol")     | 0/3                         | 16'6                                    |
| 16 ,, ,,                         | 4/-                         | 16 6<br>30/ <del>-</del>                |
| 32 ,, ,, ,,                      | 12/6                        | 7/6 gal.                                |
| 8 62. Dott. Hysor ( Delast )     | 111 12,0                    | cans extra.                             |
| 1 oz. "Wesdenin" (R.A.)          | 2'3                         | 17/6<br>30/-<br>52/-                    |
| O WESTERIN CIVILITY              | 4/-                         | 30/-                                    |
| 2 " " " " " " "                  | 7,-                         | 52/-                                    |
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